

Heather Owen: Tracy Hurd, Girli Girl Boutique; Katherine Bennett, BPBC Ministry Assistant

As advancements in the marketplace continue to grow steadily, new technologies and tools are appearing fairly quickly. One advancement that has sparked my attention is the utilization of subscription services through companies. In the past decade, many different kinds of subscription services have been emerging and are now dominating the business world. The purpose for my research about this subject was to find out why this was occurring. The answer came as I noticed a trend in the types of subscription services that are available. Netflix, for example, provides a source of entertainment similar to what Blockbuster used to be. However, Netflix provides an immediate source of entertainment, while the latter has multiple steps in order to watch television or movies. Convenience is what subscription services thrive upon. It gives consumers the ability to utilize the product whenever they choose or have it delivered to a desired location. The days of running errands to obtain products are deteriorating, and the practicality of subscription services are thriving in the marketplace. Today's generation will become familiar with this type of business as they transition into the business world and employ the concept of subscription services not only in their personal lives, but in their profession as well.

Lexi Durling: Dr. Lesnick, Best Friend Animal Hospital

Many people enjoy the company of their animal companions. And vice versa, many animals enjoy the company of their human counterparts. But, what about the animals who don't get to enjoy being loved and cared for? Every year approximately 7.6 million animals enter shelters a year, and 36% of these animals don't make it back out. This is a substantial number of animals that can use our help; They can use your help. Even in Hall County, 300 animals are at the Hall County Animal Shelter at a time, about 12% of those animals in were euthanized in 2015. When people step up to the plate, these lives can be changed for the better. People can volunteer, adopt, care for their own pets, and spread the word. This applies to everyone's daily lives because these animals can only depend on those who have the passion and drive to help them. How can someone sit and be apathetic when lives are suffering and they're able to help. It applies to my life in particular because I am one of those passionate people. It is important to me to see these homeless animals taken care of. As a (future) vet, an animal's wellbeing is my top priority. I feel, as a human being, an animal's wellbeing is my top priority.

Cody Brown: Jerry Martin, Baldor Electric; Rodney Findley, Kipper Tools

When coming up with the goal of my project I had helping people in mind. That is why I wanted to see what the process would be for becoming an engineer. I get to use time allocated to my project to research my own future and hopefully help others in the future. I interviewed people at my internships allowing for me to have a view from the inside rather than looking from the outside in. I also utilized my student counselor to get information about the transfer from high school to college and even early college. What I found was unanimous about trying to get college out of the way as soon as possible. What I discovered could broaden and help more than just people seeking to be engineers. My research directly affected how I will get to be an engineer, and I will use the information I learned to help others too.

Roland Stanley: Jorge Alvial, The Vine Church

Fear is a vital response to physical and emotional danger. While fear is important to the survival of mankind, it sometimes blockades us from living a full life. The purpose of my project is to identify the basic characteristics of fear, understand why we experience it, and how to overcome the emotion. People miss some of the greatest adventures in life due to the fear instilled in them. I think it would be great if we could understand that we were created in the image and likeness of God. Therefore, we have nothing to fear. I will apply this learning to my potential future career of being a youth pastor.

Carley English: Gina Savage, Guilford Immediate Care

Did you know that approximately fifteen million people per year go to the doctor's office complaining of a sore throat in the United States alone? At Guilford Immediate Care, the facility in which I intern, we see countless numbers of patients that need to be tested for strep. Most all of the patients whom we have to test hate being tested, especially children. Because of this, I conducted my research based off of the essential question, "How could I create a non-invasive device to detect streptococcus bacteria?" While the strep test is not too invasive, it is still uncomfortable and not something that patients look forward to having done. In an attempt to come up with an answer to my question, I conducted extensive research by creating annotated bibliographies, interviewing a former medical assistant, and creating a blog to track my progress along the way. Through my research, I was able to produce an idea for a product that would be capable of detecting strep throat causing bacteria. However, I was unable to create the device because of the amount of time that I would need to devote to it as well as the amount of money and resources I would need to produce such a product. Through this endeavor, I was able to learn many things not only about strep throat and modern medicine, but about myself as well. I learned that the medical field is where my passion is and that it is where I will one day have a career. The experiences that I have been able to have by interning at Guilford Immediate Care are some that I will take with me long after high school and look back on for years to come as I walk my way through life as a future medical professional.

Lydia Connally: Marti Kelly and Casey York, The Oaks at Limestone: Kevin Woody, Woody's Pharmacy

My purpose for this project was to find out why pharmacists are important and cannot be replaced by robots. As a result of my research and experiences at my mentorship I have learned that pharmacists do so much more than just put pills into a bottle. From experiences at my mentorship I learned that pharmacists must be able to communicate with others and show a true interest in their well-being, something that robots cannot accomplish; pharmacists also must be able to look into what medicines the patient is already taking, and ensure that adding a new medicine will not cause adverse effects to a patient's health. From other experiences at my mentorship I have learned that pharmacists are able to advise patients on over the counter medicines that have uses other than those specified on the packaging. Aside from my personal experience I conducted research to help me answer my topic. Upon researching I found that pharmacists assist in the development of new medicines, without human pharmacists our medical field would be advancing at a much slower rate than it currently is. I plan to utilize the information that I have learned through this project to show and educate others on what pharmacists do other than just 'count pills'.

Sierra Brock: Leigh Wilson, LPN at Northeast Georgia Medical Center in the Emergency Room

This year my mentorship was at Northeast Georgia Medical Center in the Emergency Department. Last year I was also in Honors Mentorship and I was an intern at an orthopaedic clinic so I already knew that my passion was in orthopaedics but I wanted to see the trauma side of orthopaedics. During my mentorship, I usually helped hook patients up to the monitor, collected urine samples, took out IVs, spiked fluids, but I usually shadowed the nurses, physicians, and physician's assistants. After I had been there for a while I started to be able to mentally diagnose some patients based on their symptoms. However, it was more difficult for me to correctly mentally diagnose the patient some of the time because there is such a broad spectrum of illnesses, injuries, and diseases that are seen in the emergency room. This mentorship has really allowed me to be exposed to many different careers in the medical profession. I am now also considering trauma surgery along with orthopaedic surgery. I am very thankful for my experience in the Honors Mentorship Program because of how much I have been able to learn about the medical profession with real world experience.

Amber Tyner: Shannon Casas, Managing Editor at The Gainesville Times; Clark Leonard, Assistant Metro Editor at The Gainesville Times

For generations, journalists have been charged with getting the truth- both the good and the bad- out to the public. While their job is certainly vital to the community and everyone in it, they are sometimes viewed as dodgy individuals, impairing their ability to be trusted by society. People like journalists when they write a story that interests them, but they begin to think the "media muckrakers" are untrustworthy when they are uncovering dirt about them. Interested in entering the journalism field myself, I wanted to figure out how to solve this. As a future journalist, I want to be seen as trustworthy, and as part of the public and having interned at the Times in Gainesville, I want the community to understand how valuable these journalists truly are. After researching further into the problem and verifying the mistrust in the field, I found that the main solution is to simply educate the public on the career area. The public needs to understand that journalism is a real profession and just how important the job is to everyday people. Journalists have been educated on what they are doing and only want to help the community, which leads to the common conclusion that they should be trusted.

Cameron McCarthy: Brendon Blake, Back In the Game Physical Therapy

The purpose of my project was to investigate the amount of football-related head and neck injuries and the main causes. Also, I searched for potential solutions that have been implemented or can be implemented in the near future. I discovered that however many injuries are caused by accident, many of them could've been prevented by proper coaching. Most injuries occur due to a lack of proper technique, improper or outdated equipment, and a lack of strength of the muscles surrounding the head and neck. Many new rules have been put into place to protect the players in all levels of football (Recreational to Professional). Rules that prevent "spearing" or leading with the helmet, and also rules that prevent the use of hands to the facemask area to prevent and jerking motions of the neck. Additionally, new equipment such as the cowboy collar and the Kerr collar can be used to help prevent any unnecessary movement of the head and neck. As a football player, this research will certainly allow me to play a safer game in the future, as well as potentially educate other athletes of all ages. Also, as I go into the Physical Therapy field, I will have a better understanding for athletes who have these such injuries.

Macaely Nix: Victoria Marsh, Spout Springs School of Enrichment

Rising teachers constantly struggle with the question "How can I reach my students?" These teachers are full of information and skills they acquired over their four year journey through college, but are not completely sure as to how to put them to use. Some methods work for specific age levels or subjects while others fit into any setting. There have been articles suggesting different methods of teaching by specific needs of the students, such as those with special needs or disabilities, and articles explaining the differences between makeup and order of growth and the impact this has in the male and female minds to retain information and reactions to certain situations. The biggest takeaway from one article I read was each student learns differently and at the end of the

year the students leave and the teacher remains, while preparing for a new class to begin the New Year, must do whatever methods work for them and adjust slightly to help their students.

Camryn Dickey: Diana Fuller, Dr. Jane White, and employees of Murrayville Veterinary Clinic

There are 86.4 million cats and 78.2 million dogs in home all around the U.S. Many of these cats and dogs will or have heartworms. There are ways to prevent your animals from getting heartworms and that's heartworm prevention. Make sure you get your animals an annual checkup for heartworms because it is best to find the out that they have heartworms when it's the earlier stages. The longer they stay in them the more at risk your pet becomes. You may also be wondering how your pet can get heartworms. Well, mosquitos transfer heartworms from one animal to another when they bite them. Say your dog gets bit, the mosquito transfers the microfilariae (offspring of the larvae or adult heartworms) into that dog. Then, once they mature to become adults, they produce microfilariae into the dog's bloodstream. Then another mosquito bites this dog and that mosquito carries the microfilariae inside them. When it bites another animal, they end up with heartworms and the cycle starts all over again. It's better to catch heartworms in the early stages because they haven't matured enough to produce offspring. I want to become a veterinarian or work along those lines, so this can help me in the future because so many cats and dogs get heartworms throughout the year and I already know the basic information on them.

Kayla Canada: Shannon Casas and Clark Leonard, Gainesville Times; Caroline Newbern, Dean DeVito, and Laura Kirby, North Hall Middle School

My junior year, I became involved in Partnership for Success, a club that partners with students in the special education department. This year, I took a class called peer facilitation where we spend an hour a day in a self-contained class. My work with the kids created a new passion in my life: to become a special education teacher. There was so much I didn't know, though, so I began an internship at North Hall middle school where I was thrown into a realm of special education I'd never seen (and rarely heard of) before. During the two periods I spent at the middle school, I was able to spend time in both co-taught classes and resource classes, both very different from the self-contained class I was used to. But why? Why were some kids in co-taught classes and some in self-contained classes? How were the classes structured differently? As I dove into these questions, I went in-depth and learned about some of the phrases I'd heard thrown around by special ed. teachers such as least restrictive environment, individualized education program, and learning disabilities. I feel like my research has provided insight not just useful to me but to everyone. Over 10% of Hall county students are in some level of the special education department, so it's important to educate siblings, parents, and friends on this topic.

Jessica Dam: Daniela Rivas, Kennedy Holden Law Firm

I've had aspirations of becoming a lawyer ever since I participated in a middle school mock trial, and law is continually changing and impacts people's lives in large ways— something that sparks my interest. Because I had the wonderful opportunity to intern at an immigration law firm, I wanted to discover the pros and cons of immigration and the laws that are created in response to immigration. I learned about several cases pending, each unique, that taught me that even the simplest of offenses can jeopardize someone's immigration status. Interviewing one of the lawyers at the firm, Mr. David Kennedy, I gained a better perspective about immigration law and was made aware that even though there are cons to any type of immigration, the benefits outweigh any drawbacks. This was supported by research I found from places as renowned as the University of California, Berkeley, and even the White House website which offered stories about the immigration journey and the system. Being the daughter of immigrants, I thought I knew about the challenges many immigrants face when entering this country, so it was eye-opening when I learned how unique every immigrant's journey is, each faced with a multitude of difficulties and legal mazes to maneuver. Immigration law is one of many legal practices, and the knowledge I received has helped further my understanding of the legal system.

Chase Nicholson, Paul Kyst Aircraft Technician Manager, Lanier Aviation

As many young people strive to decide what they would like to do with their lives they look up in thought. As I did this through the years I would look to the sky for answers. I immediately gravitated toward being a pilot. Piloting is one of the hardest and most expensive ventures around. So naturally the maintenance and care of aircraft is also a money pot. So I came to the conclusion that flight was my destiny (along with much prayer). Then as I sought through the process I realized that I knew nothing of this field that was supposedly my passion. Then as a hunger for knowledge advanced I wanted to shadow a pilot or a mechanic even. When I got my internship I began to realize that the field that I desired so desperately was incredibly selective. The field of aviation is reserved for those with the abundance of money and/or desire to fly. Being rightfully so although. Without this "blockade" of fees and regulations anyone who can drive would fly. Leading everyone who peruses it to assume that this field is exclusive, and rightfully so. Only if are like most of us and can't just blow thirty grand just on a whim. As I learned more and experienced more I realized that also as a mechanic you have to do almost the same thing. Leading to your license or your certificate you have to spend money to even look at a plane. However this field is almost dying from the lack of interest of my generation. Most of us want to follow in the footsteps of others. I on the other hand, I want to travel the trail less traveled and be one of the few not one of the many.

Kassidy Thomas: Shannon Casas and Clark Leonard, Gainesville Times

Many people struggle with what they want to become in life. Wonders as to what will be “relevant” in 10 years always come to the surface. Class of 2020 has made their decision. Journalism majors have spiked up 27% for incoming freshman at Georgia State University. The bigger picture here is evident, expressing thoughts and personal feedback to the world has taken over. Social media gurus are now being paid to post pictures, tell their opinions, try and review a new product, or promote something. Student’s see this is an “easy way out.” It doesn’t require food for thought or academic knowledge. Shocking these people make an average salary of \$70,000 yearly. The classic major of journalism shouldn’t be chosen because it’s the new thing to do or the hottest major. Journalism is an art where opinion actually isn’t used. The definition of journalism is shown as: the activity or profession of writing for newspapers, magazines and or broadcasting real coverage to a larger audience in order to make an impact. During my research I spoke with Professor Jean Davis. Dr. Davis described this new craze as, “something I do not condom, I watch students fail my class each semester because this isn’t their passion. They see the fame behind these uneducated celebrities and run with it.” Davis is a professor at Georgia State University and has added 3 extra classes of “Intro to Journals” in order to accommodate the massive amount of students entering. Let’s not run with the times, I believe we should leave journalism to the students who enjoy literature, writing, and public speaking; not those simply wanting to be awarded the “verified” check mark on Instagram.

Samantha Herron: Wendy Smallwood, Spout Springs School of Enrichment

Throughout my life, it has always been a mission of mine to make those around me feel that they are important and ultimately, loved. I have always had a passion for working with children, and I enjoy encouraging and motivating them. It makes my heart smile when I can see their eyes sparkle after they have accomplished some unthinkable task. The sense of self confidence and achievement that they exude is something that is irreplaceable. But unfortunately I have noticed that in my classroom, some of the students that I work with do not have this “sparkle” about them. These children are absolutely brilliant; however, they lack self-confidence, and it simply breaks my heart. When I look around my classroom and see some of the round, wide eyes and quizzical expressions, I am reminded that there is much more to learning than the cognitive element. This year, I have truly noticed that a student’s ability to learn is also heavily influenced by their environment and level of self-confidence, which is why I sought to affirm what I seem to see on a daily basis through research. Although I cannot ultimately control a student’s environment or mental capacity, I can control the ability that I have to make them feel that they are loved and adequate. My students are worthy of being praised for their successes and even their failures. In life, you learn from your mistakes. Your mistakes do not define you; how you react and learn from them does. Regardless of what they have done or what they will do, I want my students to know that they will always be important to me, and they will always hold a special place in my heart.

Christy Tran: Bibi Ramirez, Greenwillow Pediatrics

Becoming a doctor is a definite yes for me, however, deciding if I’ll work in a hospital or open up my own practice was questionable. My parents own a business and I was wondering if I should do the same. As I was going through this research, I found myself going back forth with deciding where I should work. Each side had a huge contrast that I wanted to work in both places, but that wasn’t possible. I had to keep on digging and eventually choose a side. There were interesting pros and cons to working in a public and private-based place. A hospital has the high tech equipment, but has to deal with more regulations than a private practice does. A private practice gives you the opportunity to be your own boss, but bills and taxes come out of your pocket. In the end, I decided to open up my own practice because it fit the way I wanted to work and ideal for my future schedule.

Samantha Updegrave: Ashley Cooper AA-C, Jeff Schermerhorn MD, Debby Augst RNFA, CNOR , and all the staff at The Limestone Surgery Center

The basis of this project was to take a closer look into Malignant Hyperthermia, analyze the disease, and determine the role of an anesthetist in an MH case. Malignant Hyperthermia affects about 200,000 people in the US, although rare, it can be deadly. If educated properly on the disease, anesthetists can catch the symptoms and immediately begin treatment; tremendously decreasing the disease’s fatalities. When researching for this project, I was not only interested in the triggers of MH, but also what happens inside the body that causes the reactions. Overall, this research primarily focuses on three major areas: defining and explaining the causes, signs and symptoms, and treatment of Malignant Hyperthermia. The purpose of conducting this research was to gain a deeper understanding of the effects of anesthesia on a MH patient, be prepared for any MH cases in the future, and promote awareness for the disease.

Kylie McGuire: Gary Martin; Technology teacher, Lyndrid Patterson; Art Teacher, Da Vinci Middle School

As times have changed and the world has become drastically immersed in modern technology, the debate of whether these new gadgets in schools around the globe are beneficial to students’ careers has sprung about. With my new found interest in media and graphic design, it would seem necessary to have this technology available for me in my middle school and high school setting in order to plan ahead for my future. While mentoring in a technology based school, I’ve learned that students gain so much more valuable and useful information while working with

computers, doing creative video projects, and even learning programs such as Photoshop starting at age 11. So, whether we believe in it or not, our nations' use of technology will continue to grow and eventually, as technology teacher Gary Martin says, "It will be a necessity for most students to learn software and computer programs for the jobs they will aspire to have later on." Some may argue that the early exposure to technology is harmful to young students, but with the right protection and guidance, we can prepare children to reach their highest goals and gain job opportunities that they wish to have in their futures.

Destiny Wilson: Ali Davis, Helping Hands Pediatric Therapy; Hildy Dunham, Hall County Preschool Office

There is an epidemic going around the United States. Not an epidemic of disease but an epidemic of children bullying other kids. Studies have shown that bullying has a profound effect on children's lives especially at such a young, easily influenced age. Children with speech impediments make up a large amount of the percentage of children who get bullied. I wanted to know the role of a Speech Pathologist in their patients' lives, if they are actually helping to prevent bullying. Through my research I discovered that SLP's not only improve their patient's speech, but also their confidence and self-esteem. When a person has Speech Therapy they are effectively ridding themselves of the object of their bullying. When I become a Speech Language Pathologist I hope that I can help people improve their lives.

Lainey England: Megan Ballard, Assistant Public Defender, Hall County Public Defender's Office

Ever since I can remember I wanted to be a woman who made a difference. I never knew what that difference would be until I started learning law and America's court system. Over ninety percent of our judges are white males and sixty-five percent of our lawyers are male. I decided that going into the field of law was my ticket to fixing some of America's problems. Through my mentorship I have had the opportunity to see how women work in this field and the things I can do to help the world. My research question is 'how have women in law impacted society?' I wanted to explore and dig deeper into the struggles women and faced and why women are needed. I looked into how women's opportunities have changed. In the last century, women have come a long way from just being housewives. I also interviewed different women and some of the struggles they have faced, along with stories they have been told. I realized that women were not allowed to have the opportunities this generation has now. I went on to explore why the idea of feminism is needed in law. The career path of law needs feminism because it need equality for both men and women in the court system. Through my research I have learned about the many struggles women face. I hope to continue to use the knowledge to further my career.

Ashlynn Selesky: Dr. Heather Westmoreland, Cardiologist, and Kristen Rhodes, Nurse Practitioner, Northeast Georgia Medical Center

The purpose of my research is to highlight and understand the importance of nurses in the Emergency Room (E.R.). This parallels the primary functions of an E.R. nurse, which are assessing the patients' problems, organizing the patients so they can be seen by specialists to be treated or to be treated by nurses if the situation does not require a specialist. Other functions include truly caring for a patient and treating people with kindness and generosity during their traumatic experience that required medical attention. With my research I hope to fully understand the regular flow of patients through the E.R. and what the most efficient way to help people entails. After interviewing the nurse practitioner that I shadow, I learned that the E.R. is sectioned off into semi-specialized areas and that all E.R. nurses take turns working in each area. The areas make it easier for the nurses to categorize the patients based on their problem. The rotation of nurses working in specific areas could be a different area every day or a different area every week depending on the hospital. However, nurses can achieve further education and get certified in some areas such as trauma and maternity so that they can better treat patients. The semi-specialized areas along with the structure of different types of nurses (triage nurse, trauma nurse, etc.) help make the process of getting treated in the E.R. very efficient and quality controlled for the patient. My understanding of the flow of patients through the E.R. will hopefully make me an efficient member of the E.R. medical staff team once I begin my career as a nurse.

Khian Skidmore: Dr. Joseph Jones, University of North Georgia Observatory and Planetarium

Becoming an astronaut has been a dream of mine for quite some time. The closest I have ever been to space so far though is the North Georgia Observatory and Planetarium. Throughout my mentorship, I have gotten to learn about the universe and also utilize a very powerful telescope to see amazing objects in the night sky. I also got the chance to learn a lot more about being an astronomer and even some more insight on what it takes to become an Astronaut. My essential question was what exactly is "The right stuff" when it comes to choosing astronauts. Through my research, I came to the conclusion that the right stuff means being a very prepared person who is specialized in a field but also has a wide background of knowledge. Statistically speaking it also still helps to be in the military but over the next few years I expect that it will be easier for civilians to become astronauts. The information that I learned while doing this research project will help me tremendously in the future. It has already given me a much clearer idea of the kind of things I need to be doing now in order to go into space later.

Bella Tulk: Anthony Johnson, Pharmacist, Johnson's Riverplace Pharmacy

In my opinion, customer service is the determining factor of every business' success. Each interaction you have with a salesperson, doctor, or even fast food place employee can impact your experience in a positive or

negative way. I have had many experiences while purchasing an item or dealing with a problem that have made my day, and I have had experiences that have ruined it. The effect of employees on consumers depends all on the components of customer service, which is why I decided to do my research project on it. Throughout my mentorship at the pharmacy, I have observed the body language, tone of voice, and actions of my mentor and other workers to see what customers react most positively to. I have researched and collected the perfect set of tactics to develop the most effective customer service. I hope to be able to use and share this information within my future and current occupations as a young adult.

Madilyn Patterson: Jenna Thayer, North Hall Middle

We all have memories associated with music. When we hear an older song on the radio we are instantly flooded with memories from when the song was popular. We use songs to remember things like the alphabet and the bones of the body. Music is universal- everyone can make music! When researching my capstone, I wanted to find out how strong the association between music and memory was. I wanted to know how that could be used to help not only the middle school students I see each week, but also people with special needs, and even elderly people with Parkinson's or Alzheimer's. I decided to base my research on this question: Can singing or playing music improve memory encoding, storage, and recall in people of all ages? In my research I found that patients in multiple studies did not only show an improvement in memory after listening to music, but they also exhibited improvements in coordination and behavior. The middle school students participated in a survey, and the majority had strong memories tied to specific melodies as well. I have a passion for music and a love for helping students, especially those with special needs. When choosing an essential question, I wanted to combine those two passions. Researching music and memory helped me to see how beneficial music therapy truly is to all patients. I will definitely consider what I have learned this year when I am pursuing a career in music in college. This project inspired me and helped me to see that I can use what I love to do good for others.

Kyle Hedberg: Mike Fisher, Gwinnett Aero (Thank you to Rogelio, Steven, and Derek as well)

I've often wonder what would be the best route to take to reach my career goals, using an independent flight school or going to an aeronautical college. Through research, interviews, and my internship I have learned a lot about the aviation field. To become a professional pilot both routes work, however they both cater to people in different situations. Going through an independent flight school allows you to move along at your own pace, whether you prefer a fast moving program, or to take your time. Your only focus can be on passing your flight courses, and will be cheaper, but to become an airline pilot (in the United States) you will need a four year degree from an accredited college. Aeronautical colleges have very fast, and rigorous program that allow you to become a commercial pilot at a faster rate, not to mention the 500 hour write off on your ATP certificate. Other great advantages include internships with commercial and corporate aviation, Flight courses completed along with your four year degree, and contracts with airlines that can guarantee a job straight out of college. The main reason people tend to stray from this path would be the price, ranging anywhere from 40k-60k+ depending on the school costs per year.

Emmalynne Godfrey: Dr. Chapman, Dr. Thomason, Dr. Veach, Dr. Lebow, Gainesville Eye Associates

My purpose with the project was to learn about how diabetes affects the eye and to discover the problems associated with it. Diabetic retinopathy is the leading cause of blindness today in the United States. The exact cause of diabetic microvascular disease is still unknown. There are different classifications of diabetes in the eye: Nonproliferative diabetic retinopathy, Diabetic macular edema, Proliferative diabetic retinopathy, and Progression from NPDR to PRD. Certain diseases can influence the onset and severity of diabetic retinopathy. After doing some at home research of my own, I was left confused and wanting to know more, so I decided to conduct an interview with an expert on the topic. In this interview I learned that diabetic retinopathy was a lot more common than I had originally thought. I was told in great detail what diabetic retinopathy is to how it can be treated. I hope to not only use this information in my project, but to be able to use it in the future when I am in school, and later on in my career.

Chris Hand: Troy Elrod, Lakeside Water Treatment Plant

Engineering is essential to how we live our lives today. Engineers are responsible for our cities, water, technology, etc. It is a very math and science heavy field, so having a strong background in those subject is ideal for finding an engineering job. However, there are still specific degrees you can get for different fields of engineering. For example, environmental engineering requires you to have an environmental engineering degree, as well as a general engineering degree, while an aerospace engineer will require a degree in aeronautics or aerospace engineering. This is also a very profitable field. On average, engineering jobs earn \$80,000 to \$120,000 per year. This field is also growing quickly, and the need for engineers is increasing. This gives it a very positive outlook for the future and a fairly high hiring rate. Engineering has always been a passion of mine, and what I have learned over the course of the year has given me a large head start to becoming an engineer.

Marlena Hager: Gabrielle Durden-Coffee, French teacher at FBHS; Peter Kendall, Elliott Wave International Financial Forecasting

What would you do if someone walked up to you and started speaking another language, say French? Most Americans would panic, ignore the person, or react rudely. In any situation, with any language, the result is usually the same, and that is because very few Americans know a foreign language. Unfortunately, the thought “why do I need to learn a foreign language” is becoming an increasingly common one. While it is partially understandable due to America’s dominance in global trade and politics, recent studies have shown that besides just making someone a more well-rounded and educated person, the ability to speak more than one language improves brain function and development, and exponentially increases their likelihood of getting accepted into a college or receiving a job offer. And yet, despite all the research students slack off and dismiss their foreign language classes, if they even take any. As a lover of languages, and a student preparing to move abroad this observation has not only surprised me but horrified me as well. This is part of the reason I have mentored with a French teacher at my school, not only to see how America’s education system is trying to change the stereotype of ignorance of other cultures, but also to help my peers learn about the benefits of bilingualism, not only professionally but in terms of biological development as well.

Miriam Martinez: Dr. Ron Betteker, Chateau Animal Hospital

There are regions around the world that have people who do not know well-enough about medical professionals. Throughout my mentorship at the Chateau Animal Hospital made me realize how important it is to know what a veterinarian is for the health of an animal. The essential question that will be guiding my research was: How do areas of the world impact someone’s knowledge upon a profession?” Researching the importance, I came across an article that had mentioned that most third worlds do not have veterinarians therefore don’t have much knowledge on who or what they are. Realizing this, I find it important that every country in the world should be able to have access to a veterinarian for the sake of both people and animals. I want to be able to raise awareness to those who care about medication for all kinds and help those who do not have knowledge as we do.

Amy L. McDonald: Shannon Casas and Clark Leonard, Gainesville Times

Newspapers have played a role in our society since the colonial dissent and subsequent separation from the English. The twenty-first century has brought struggles to the industry as online sources have taken over. At the Gainesville Times this year, I have witnessed good, solid articles go unread by many people. The articles are published in the newspapers, the same story goes online, but there is not a wide-enough readership based on the population in our area that should be interacting with and reading these pieces. I sought to answer the question ‘how do traditional print newspapers integrate into this digital age to remain relevant to my generation?’ Based on my research online, an interview with assistant Metro editor, and experiences hearing discussions and conversations in the newsroom, I discovered how social media and different writing styles are making credible newspapers available to millennials as the internet takes over as the primary source of information in the twenty-first century.

Taylor Reed: Tracy Hurd, Girli Girl Boutique; Gainesville Heart and Vascular Staff

Fashion is a constantly changing industry. I have always had an interest and been curious about what all goes into the selling of merchandise, especially when trends are readily being started and go out of style. Each and every person in the world owns clothing, we all have that one thing in common. For many people fashion expresses their personality, feelings, and personal style. It fascinates me that you could figure so much out about someone simply by their clothing. During my mentorship at Girli Girl I have learned a great deal about this industry. With it being an individual business, there are many duties and important things they must do to stay relevant. We are constantly getting in new shipments of dresses that keep up with the trends and must keep the right seasonal dresses in stock. Advertising, and good experiences are what make a business memorable. At Girli Girl these factors are incredibly important in sales, because without them your business does not stand out. The most popular marketing tool we use at Girli Girl is social media. We are constantly posting pictures of all of our new stock to show our target market (teenagers LOVE social media) our products. Many times the girls come in with screenshots of our posts asking if we still have those dresses. I am constantly learning new things about this industry and plan on pursuing Fashion and Marketing as a possible career options.

Chad Newstrom: Chad and Cindy Williamson, Seasons Transport

My research on small business is constructed to analyze how a small business can be successful. Throughout my time researching business plans and the effort that is required to build a successful small business I have learned what key components are necessary in structuring a successful business plan. I researched information from the National Federation of Independent Business to look into how a variety of different individuals were able to structure a business successfully and in turn achieve their goals. These individuals also were able to reveal to me that a structure is not the sole item that will make a small business succeed, rather it is important to have each component of a successful business. The real life application of this research and what I have learned through analyzing different sources has shown me that time, quality leadership and passion are mandatory in developing a successful small business. These three components of business are what I have researched, analyzed and found to be the essential building blocks to securing a strong small business.

Kaia Clark: Karen Smith, Angelina Thornton, Lisa Leonard, CW Davis Guidance Office

Every student of the school-age has emotions that are new to them and they do not know how to deal with themselves. This is where the guidance counselors provided at each school can come into play to help. Without these mentors trained and able to help the students, schools would see a drastic rise in students would commit suicide or self-harm. Guidance counselors not only help students with their emotions but also with academics, physical, and disciplinary issues in order to encourage the focus to be more on the important aspects of school like athletics, education, and friendships. By attempting to prepare students for the huge world ahead of them and their futures, counselors also provide a role model for students with poor family life. As a role model, connections between student and counselor form quickly in turn proving to the student that there are good adults out there and that just because their family provides bad examples. Counselors are extremely necessary in every aspect of school and developmental stages of school-aged children and teens.

Lexie Walker: Betty Ann Duff, Ann Boyer, Jessica Smith, Northeast Georgia Medical Center

The majority of people have come in contact with a nurse and if not, they have an idea of what they think a nurse does. My purpose in this project was to show people what it really takes to be a nurse and the difficulties they go through to get where they are today. I began my research and found that nursing school is very difficult to get through but it is not the most difficult thing a nurse will encounter. I learned that some of the most difficult things a nurse will encounter are the decisions they must make to help a patient. People think being a nurse is just following a text book answer and you can fix anything but there is much more that goes into play for making decisions to help patients. I wanted to research and inform through this project so people will be more understanding and patient with their nurses because I have learned through interviews and through my mentorship that nurses care so much about each patient they work with.

Rosie Esquivel: Killie McCauley, Canvas Studio

Every day humans struggle constantly with trying to be more attractive. But the question is, does beauty benefit or destruct one's self-esteem. Someone's definition of "attractive" and "unattractive" differ from others. The Media's ideas of beauty and standards are near impossible and are often unachievable. People undergo extreme plastic surgeries in order to achieve these desired features. All for what? "Attractive" people actually receive a substantial amount of special treatment. More attractive people get jobs easier and are treated with more respect. In school, the attractive are usually the popular. Attractive people are more pampered than those considered unattractive, therefore the unattractive are used to the un-sugarcoated treatment. With the research I have done I have come to conclude that attractive people receive more benefits. Attractiveness can be destructive if one allows it to change their morality, kindness, integrity, and character. Physical beauty should not affect the way we judge people as society allows it to.

Kalanie Wilson: Berenice Granados, Northeast Georgia Emergency Room; Gina Savage, Guilford Immediate Care

Many times when people get sick or injured, they make a visit to the emergency room or a quick care center. When visiting one of the facilities, people don't know the different aspects as to which one they should visit in certain situations. The essential question I researched was: What is the criteria for a patient to be seen at an urgent care center rather than the emergency room? Through my research, I found out it really just depends on the severity of the patient's symptoms. The more severe your symptoms/situation is you should know go to the emergency room, but if it is something very minor then you should go to an urgent care center. By using this as a guideline basis then it would save you a lot of money and prevent you from going into debt.

Savannah Girard: Amy Robertson, Guilford Immediate Care

My overall purpose was to discover why people decide to go into the field of nursing and what is their basis or reasoning to go into such a competitive and need-based career. Going into my mentorship with no real medical expertise, I was astounded at the sheer amount of effort and patience that went into having a career in the field of nursing; these traits not being something that I would have expected to be so valuable in the position of being a nurse. I noted the behavior that the nurses portrayed and how they handled patients, as well as the everyday situations that they placed themselves in. I asked multiple nurses specific questions like, "Why go into the nursing field when there are so many difficult patients?" and the response would be universal- "Because I enjoy helping others." I, having learned about what nurses go through, can apply their advice and knowledge to my own career path and their sound guidance will allow me to continue in my path of helping others, hopefully all over the world.

Eduardo Carrasco, Gina Savage, Guilford Immediate Care

Just like any other student aspiring to be the best they can be, I frequently question myself as to how I can do just that. By mentoring at the Guilford Immediate Care Clinic, I have had the opportunity to narrow my question into three categories: experience, connections, and personal advancement. I ended with my essential question: "Apart from going to school, what combination of experience, connections, and personal advancement would allow me to be the best Surgical Physician possible". I conducted an interview with my mentor, Gina Savage, and I also had extensive research. At the conclusion, I found that I must connect with professionals in my career field, I should

be considerate and highly flexible for all patients, and I should continue to work with mentors and internees and have a surgical residency in order to gain sufficient experience outside of my school. Although most students go into college and careers with little knowledge or plans, I plan to use all the information I gathered to aid me excel in my residency and career so that I can be professional and helpful to as many people as possible as soon as possible.

Malory Myers: Betsy Brooksher, Chestatee Academy; Lori Fortner, Huthwaite & Huthwaite Family Dentistry

This year for my essential question I really wanted to focus on something that would help me become the best teacher that I can be. I've had a lot of teachers through my educational career; some of them were exceptional, some were completely awful, but most of them landed somewhere in the middle of that spectrum. While everyone usually "ranks" their teachers all the way from kindergarten all the way through college, most people don't really sit back and understand what differentiates those teachers and really nails down what makes a teacher exceptional, so for my final project this year, I wanted to truly understand what will make me the best teacher that I can be. Through my research, I found that being a mentor is the main component in making the best impact. Preparing, challenging the students, and caring about them is all it really takes to make a difference.

Madison Tasker: Julio Bimbela, Northeast Georgia Medical Center

My research aims to expose the actuality behind the hardships and responsibility that nurses obtain outside of what the public already knows or assumes. The purpose of completing this research is to inform those who are unaware of what truly lies in a nurse's job description, because it includes a multitude more than what the general public ultimately thinks. The content of my research includes what it is like to work in an emergency room environment, what nurses actually do, and the copious different types of nurses and the large range of salaries each branch of nursing earns.

Zach Mahroum: Clark Leonard, The Gainesville Times

People have strong beliefs and ideals. Most of these ideals stem from their parents beliefs, and their beliefs whether they are religious or not. Journalism and the mass media is a multi-billion dollar industry, and their main goal is to just tell us what is going on; whether it's local or international affairs, with current events viewers and readers tend to take sides and form opinions. My study is to investigate about how well the media does its job at forming opinions, making new opinion and even changing opinions. I want to know how much influence the mass media has on a person's opinion and how well they sway opinions.

Sarah Robles: Karen Smith, Angelina Thornton, and Lisa Leonard, CW Davis Middle School-Counseling Department

What is going on in the school counseling world today? That is the question I want to answer in my project this year. With all of my options of topics, I narrowed it down to three: Burnout, Countertransference, and finally the differences between a school counselor and a psychologist. All three deal with relationships between the student and the counselor. Relationships are extremely important in the counseling world. They build trust, confidence, and security between the counselor and the student. Situations that counselors may find themselves in, such as burnout, are the result of weak relationships and mingling their personal life and their professional lives too much. Countertransference is good, until the counselor or student's relationship goes too far. I plan to dig deep in my research on these three topics and present them on my website.

Julie Fowler: Whitney Rylee, East Hall High School

Ever since I was a little girl I have always been fascinated with music. From learning piano, to being in band and chorus, I have been able to grow as a musician. As a student in music classes, I have always wondered how a student teacher relationship works. I based my project on what the essential question "What do students expect from their music educator upon evaluation to overall influence their understanding of music?" Through this research, I have been able to understand the student teacher connection established in the classroom.

Caitlin Lee: Kelsey Brunson, South Hall Middle School

Musicians serve a very important role in the United States military. Their job is extremely versatile, and many service bands are responsible for playing at anything from Christmas celebration to Presidential inaugurations. Not only do they perform traditional military music, they also play a wide variety of genres ranging from classical to pop music. These service members are some of the most skilled musicians in the world. I focused my research on the motivations of these talented individuals and the training they go through in order to provide music for our nation. I found that not only do military musicians have to keep their musical abilities up to par, they also have to meet the military's fitness requirements. Military musicians have a much more important job than many people realize, and my hope is that this research will enlighten and inform readers of the vital and uplifting role they have on our nation.

Alexis Poole: William Sykes, Attorney at Law; Meredith Westbrook, CW Davis Middle School

Many students today are encouraged and motivated to participate in courses and programs to learn a second language. Often times, students learning a foreign language venture to a country where they can immerse themselves fully into the language they are studying. The purpose of my research was to find the correlation between students who take a foreign language course and those who study abroad, as well as their reasoning behind doing so. I found that those who study languages that they are not natively speaking, ventured to other countries that used

that language as their primary language. It is easier to learn a language when fully submersed into a culture that speaks the language fluently, a sink or swim method of learning. Students who take language classes over the course of their education, wish to use their language in their field of study or future career. Therefore, being submersed into different cultures gives them respect for the language and a better understand that may aid them in their futures in the workplace.

Van Sam: Rudy Corn, The Great Cover Up; Jason Everett, Gainesville Design Center

My research revolved around my essential question. I was able to accumulate a lot of information about what it meant to be an interior designer and how to maintain a relationship with clients. Being in the field with interior designers showed me a lot that I wanted to know going into HMP. It's a very broad area, interior designers have to work to satisfy clients and everybody is different. I wanted to know what justified an appropriate relationship with clients, because it is ultimately all about them. One of my mentors I interviewed said that it takes a great deal of patience and support you have to give to the clients. Also, that something he may like could be the total opposite from what his client likes. Being in this field, you have the opportunity to meet a lot of different people and see the homes that they want you to help resign. In my further research, I found that interior designers have to develop courage and self-esteem in themselves in order to help anybody else. These relationships between designer and client are different from any other field. These are different because the trust and seek for guidance is on a whole other level. When you are looking for an interior designer, you are looking for a friend with great taste!

Sarah Hoover: Andi Harmon, Habitat for Humanity; Marlene Zecchino, The Oaks at Braselton

My purpose in this project was to discover the impact of social media on marketing and how it has changed from 2005 to 2015. While social media usage has definitely increased in personal, every day use, businesses were slow to jump on the social media bandwagon. The amount of time businesses use on social media is often overlooked by consumers. When I spoke with Tammy Williams, the Senior Marketing Director at AT&T, she said, "A minimum of two hours per day are spent posting and monitoring responses." I have found that businesses use social media metrics to measure the benefits of social media. I never would have thought that social media hasn't actually improved sales levels, revenue per customer, and profits per customer. Metrics of multiple companies that I have found throughout my research have showed that this is correct. In the future, I will use this research to conduct another research study. In another 10 years, I will hopefully have a career started and I will be able to use real life experiences to compare to the research I have already completed.

Lauren Hill: Nicole Hill, Friendship Elementary; Celeste Morris, Gainesville Theatre Alliance

I was recruited to join the theatre department at my high school my sophomore year. What I once thought would just be a fun and easy elective turned out to mold me into the person I am today. My theatre department has not only made me a stronger performer, it has taught me how to care for and treat other people, how to be a team player, and given me more confidence in myself than I could have ever imagined. Theatre has had such a profound impact on me, that for my Honors Mentorship Capstone project, I decided to observe the impacts the arts would have in a second grade classroom. I began to pursue the answer to my essential question: How do the arts affect children? Through my research I hoped to see a change in not just the children's academics, but their social skills and overall attitude towards school.

Blake Farkas: Donna Lynn, Misty Woodall, Barbara Wood, Longstreet Clinic

Since the age of 15, I could not figure out what I wanted to do for a living for my future. I was split between options like engineering or running a business of my own. When I decided to do nursing, it was like being hit by a bus. Everything that I worked for meant nothing now and I was fine with it. I fell in love and nursing and decided to do a pathway in the healthcare field, after learning so much about nursing I began to ask, "What qualities make a good nurse?" My teacher at the time taught me a lot, but didn't really know what she meant. But after many hours of research in the field and my mentorship I finally think I have an answer.

Katie Canham: Tracy Hurd, Girli Girl Boutique; Dr. DJ Campbell, North Georgia Plastic Surgery and Associates

My purpose in the project was to discover the roaring competition between elite designers and affordable copy creations. A designer's brand and design entitles their own look and theme. Often, I find that with every well-known designer on the market, there is a more affordable version. Additionally, further research proved that marketing with social media and celebrity ambassadors helps designers create a certain image that cannot be copyrighted. To a certain extent, the condescending view of fashion design as non-copyrightable is an implicit statement that fashion design is (or should be) of little value or importance to society. In conclusion, there is no need for a system that will spur innovation or promote this field of creation. However, a more practical economic-based approach may take a different view. As previously mentioned, the fashion design industry is a \$100 billion industry. From this statistic and drawing upon experience from everyday life, it is apparent that fashion design is in fact something that many consumers put a very high value on, choosing to spend more of their scarce resources on this than other alternatives.

Garrett Miller: Larry Bowman, Bowman Engineering; Ean Sonnier, Flowery Branch High

My research is about the fine details that are needed and are crucial for every project and problem that engineers solve. I am researching house plans as well as structural and civil engineering plans to show failure and success where the fine details were a crucial component. Throughout history, engineering has been focusing on increasing technology to increase precision and this has led to strong structures that can last for decades. As engineering gets more and more precise, society can feel safer that bridges or buildings won't falter and come crumbling down.

Sydney Dunigan: Angie Moehrke, Wilson Orthodontics

I am a student interested in the history of braces. Questions have always come to mind when I think about what braces were like when they first were invented. "What did they look like? Were braces really made of gold? How does the length of time braces are required to be on now, compare to back in the 1900's?" Through my search, it seems like these questions just seem to multiply. With the help of my mentor Mrs. Angie, I have solved some of the mind boggling questions. For instance, some braces used to be placed on the inside of the each tooth to create the invisible smile effect. This is how Invisalign® came to be, it is to create an easier option other than metal braces. I conducted my research into several steps. First, I asked around the office about any knowledge of my topic. Then, I emailed a retired orthodontist in hopes of finding out what methods were used during his time. Finally, I used Galileo to find articles that fit my research and then I used and expanded my points from that article. I pieced all my information I gathered onto my website, and am happy with the results.

Rachel Cohn: Aeon Clinical Laboratories

I guess you could say I'm not the average person. My interest has always been peaked by crime and the hunt for the truth. That drive for information has led me to the dream of becoming a forensic biologist. I chose to research if Casey Anthony was wrongly acquitted of the murder of her two year old daughter, Caylee Anthony. The justice system has many problems and my goal was to reveal this fact. Through my extensive research of articles, documentaries, and websites I was able to gather all the pieces of evidence and information presented in this case. Casey Anthony repeatedly lied to the cops changing her stories, waited to report her daughter missing for 30 days, and had a ton of circumstantial evidence against her. Traces of Chloroform and a hair tested positive from coming from a cadaver were found in her car that was impounded. Caylee's body was found near the house of her grandparents with duct tape around the skull. If Casey changed her story during the trial that Caylee drowned in their pool and she with the help of her parents buried her daughter than why was their duct tape around her skull? Nothing she said added up. The case is solved but in the eyes of many, there is still so much more left to be said. I plan on taking what I have learned from this case in to the years of studying to become a forensic scientist.

Shawn Olmstead: Lori Eades, Atlanta Rehabilitation and Performance Center

Sports have always been a huge part of my life, and it doesn't always come easy. I have had my share of bumps and bruises, and so do many others. I picked to study in this career to help others who have had the same misfortune as I have had throughout my high school career. Throughout my mentorship I have learned so much about the body, and what affects it. My mentors are so helpful and it has been a great experience. The one thing that I was always curious about since I first started working at Atlanta Rehabilitation was "Why do people choose this career?" Through my research and various interviews with my mentors I learned that everything has to do with sports. Even one of my mentors, Lori. She has no athletic background, but when I asked her she said that she had always loved watching sports growing up. I have yet to meet someone, or read an article about someone with this career, with no interest in sports. This is all really cool to learn because it is the same reason that I have an interest in this career field. I want to use this information to encourage others to choose this career if they are hanging on the edge. And it also ensures that I am in the right field of study and there is no turning back now.

Leonel Jimenez: Dr. Allison Dupont, Northeast Georgia Medical Center

As I began my research I started with the idea of pursuing this specific type of field. I enjoyed learning about it on my own and even more through my mentorship. From reading articles branching into psychology which kept me intrigued. I re-learned the anatomy of the heart as well as the procedures regarding the heart. My mentor presented me with expired copies of actual catheters they use to perform the procedures. I researched these and planned to use them in my presentation as a close up and visual aspects of what is used during a Cath Lab procedure. With my extensive and early knowledge about this field I can have a head start and be more aware of this field as I enter my Secondary School.

Katie Rose Dionne: Lacie Warren, International Projects Coordinator, University of North Georgia (UNG) Center for Global Engagement

The students of today will become the global citizens of tomorrow. Therefore, it is imperative that students improve their cross-cultural knowledge through access to affordable study abroad options. Only one percent of US students study abroad each year. This statistic is considerably lower than figures for European and Asian students. The cost of study abroad is viewed as the biggest barrier. Therefore, I decided to research how to make study abroad more affordable. UNG's Center for Global Engagement views regional universities as its "competition." I researched how

competitive institutions are using their on-line resources to help students make their study abroad experiences more affordable. The goal of this research was to determine “lessons learned” from other institutions that could be easily implemented and beneficial to UNG students. I viewed competitive web sites to ascertain the depth of their on-line study abroad advisement. I had to view a few web sites before I could decide how to categorize the data. Then I went back to the earlier web sites to make sure I was assessing them in a consistent manner. This was a qualitative study. I wanted to identify several examples that could be beneficial to the Center and UNG students. The Center for Global Engagement is pleased with this competitive “benchmark” because it provides the Center with a snapshot in time of how it stacks up compared to its competition. It also offers valuable ideas to improve its on-line presence. These ideas are summarized in the “Lessons Learned” section of my web site.

Herndon Lee: Bo Wilson, WDUN Radio Station

For the past few years I have always wanted to be some sort of broadcaster. My freshman and sophomore year of high school I had the opportunity to take the video broadcaster class, and that really helped me pursue my passion. This year I had got an opportunity to be a part of Honors Mentorship. And for this past year I have been an intern for WDUN. For the past year we have been told to think of an essential question for us this year and I knew exactly what I wanted mine to be. How can one become the best broadcaster? My research was a little different than most other people, there were no set facts, but only suggestions. The websites I went to find my research were websites from professional broadcasters or from a class from a college. Another great thing about these websites in that not all of them gave the same advice. They did have the same general idea, but some small things were different about each site. And the small changes are the best changes. Some of the advice given in most of the sites were to always have a positive attitude and to always be excited to be on the air. This project and being at my mentorship has really inspired me to follow my passion in going into the broadcasting field.

Connor Lofton: Dr. Troy Smith, University of North Georgia

Psychology can be affected by culture in a cognitive way, as cultural norms change how the world and one’s relation to it is perceived. The stimulus present in an environment can have an effect on the development of the brain. Some theories suggest that the business of cities contribute to the onset of schizophrenia due to overstimulation. However, culture does not change basic cognitive functions, it affects perception. An individualistic culture is more likely to see mental issues as a problem of the environment, while collectivist societies are more likely to blame physiological functions, as blaming the environment would be to cast blame on the society as a whole. Culture’s greatest effect on psychology is the perception created of psychology itself and the stigma created thereof. Lower class cultures tend to seek psychological help less frequently, as they are more collectivist and the admittance of mental issues is to cast a shadow on said community. Additionally, therapeutic techniques must be altered in approach based on society, as social roles are given much more emphasis in eastern cultures, and there are unspoken rules and concepts just as there are in the west. To not take these into account would risk committing a faux pas, and the therapy session would be less effective. Social culture is not the only thing to affect psychology, as the culture of the psychological community itself in any given location has an effect, for example the east is more focused on the biological aspect, for the reasons specified above for a collectivist society. Culture does not change basic cognitive functions, but affects psychology by affecting perceptions and how relations are contextualized.

Jake Shewbert: Tony Funari, Funari Reality

The word that has lost its meaning in the last decade is the word investment. The word investment is a combination of professionalism, education, and time with time being the most quintessential of the three. However, most people do not plan for their financial futures; instead, they react to the current state of the economy. Real estate can play a key role in an investment portfolio and therefore financial futures. Investing in real estate requires a small amount of up-front capital, is a tangible assets, and has generated wealth and long term appreciation for millions of people. Real estate investments can also provide cash flow, tax breaks, and allows individuals to have more control over the future of their investment. The overall goal of my project is to show the advantages associated with investing in real estate and how it can also be used as a diversification method for an investment portfolio.

Claudia Mendoza: Blythe Barrett, Atlanta Rehab

The only part of my body that I have ever broken has been my nose, so fortunately I have never needed physical therapy and this is why it comes to surprise that this is my dream career. I was fortunate enough to have the opportunity to work at a physical therapy facility this year. During my time here, I saw athletes, from East Hall and other schools in the Hall County area, come in and out. I saw athletes come to the facility for different amounts of times for the same injury and I wanted to know why. My essential question became: How does the recovery of patients who are in physical therapy compare to those who are not? I conducted my research by interviewing not only the therapists in my facility and other facilities, I also interviewed the patients. The experience at the facility has not only granted me an inside look of my dream future, but also granted me the answer to the question that can only be answered in an opportunity like this.