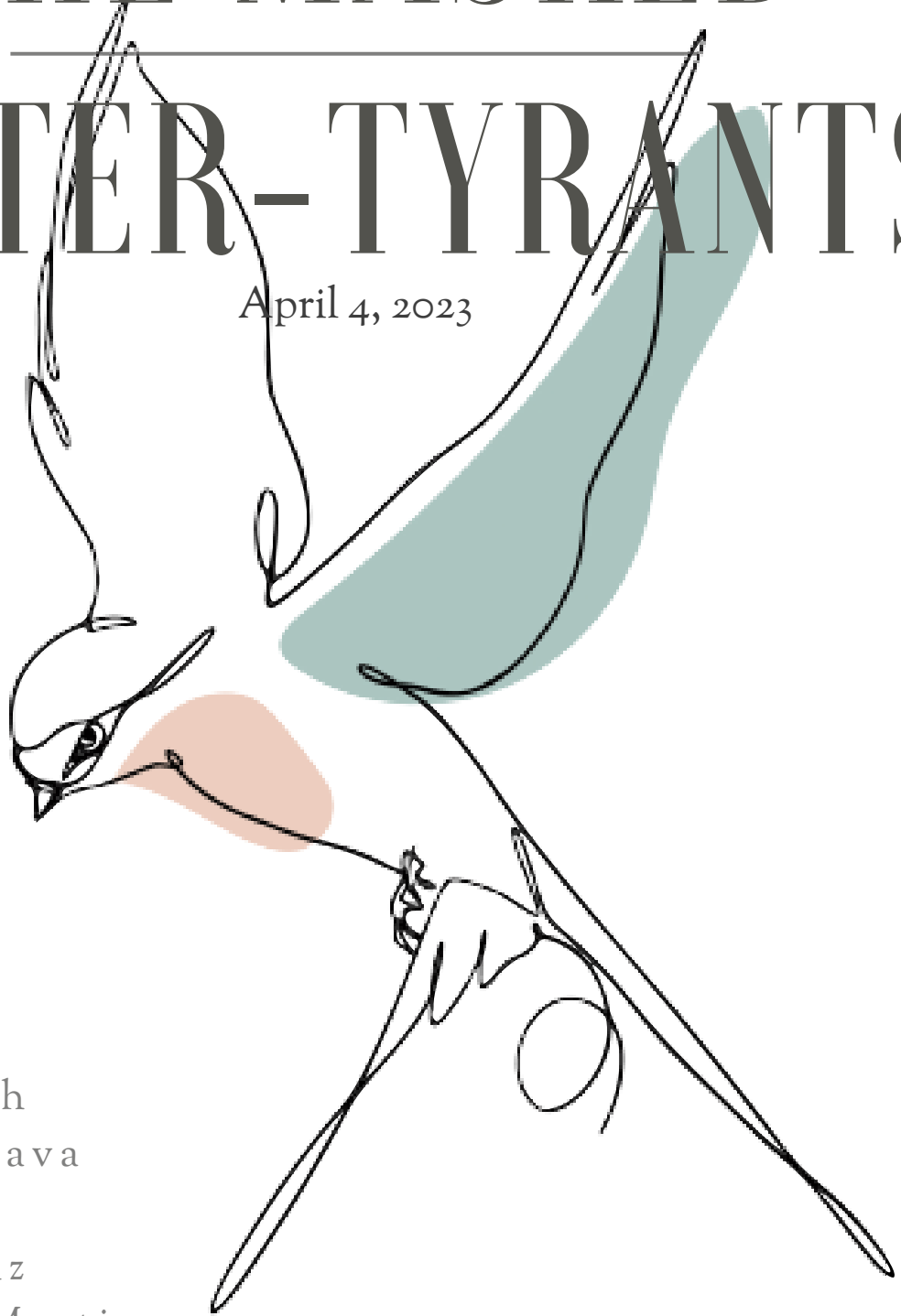


PROFESSIONAL TEAM PROFILE

THE MASKED WATER-TYRANTS

April 4, 2023



Yara Saleh
Alief Radava
Tran Ho
Thais Ruiz
Vanessa Martinez

COVER LETTER

April 4, 2023

Dr. Maya Harris
Global Engineering
3828 Piermont Dr, Albuquerque, NM

Dear Dr. Harris,

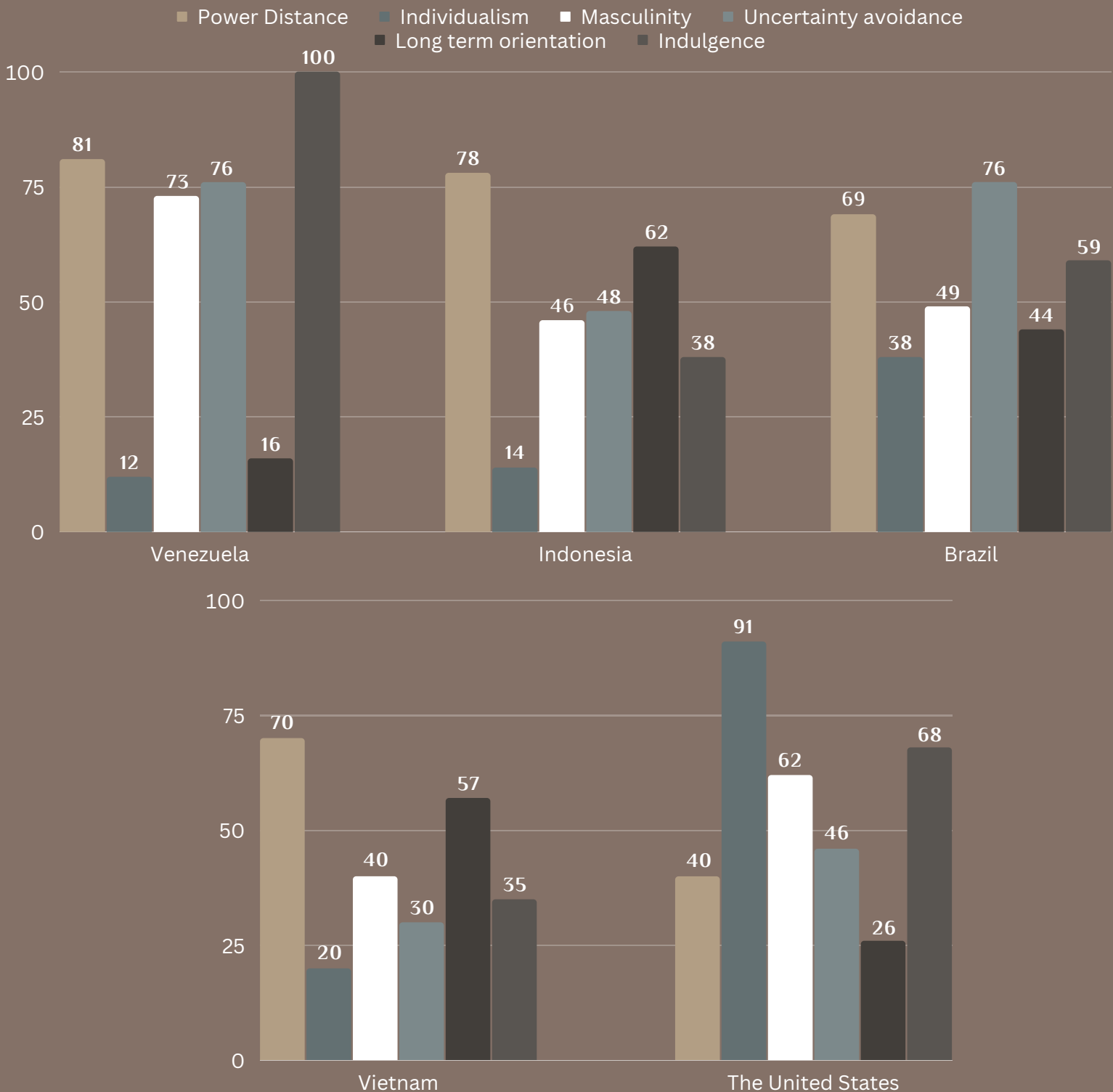
Our team, The Masked Water Tyrants, would be honored to join you on your future projects at Global Engineering. We all come from a variety of backgrounds; however, we are all united by one purpose. As Engineering students at University of South Florida, we have taken a liking to Global Engineering's emphasis on the "human impact." We understand the challenges of considering the big picture, but it is important to us that the global implications of any project are thoroughly examined. Chief among our ideals is sustainability, both economically and environmentally. Our ultimatum as a team is to produce solutions that benefit all parties involved. We bring to the table a unique sense of perspective. The Masked Water Tyrants' inherent multiculturalism is what sets us apart from other teams. Our differences as individuals strengthen our makeup as a team, and as a unit we cover one another's weaknesses whilst bolstering our specialties.

Despite our collective cohesivity, the diversity present in the parts of our sum fosters diversity within our group. Each member holds a variety of strengths, each contributing to the team's productivity. Each member in our group comes from a different culture. However, similarities can be seen across each of our unique set of classifications. For example, our sense of collectivism/ low individualism is present within everyone's background. These comparisons allow for a connection to be made across members as well as a stronger work dynamic. Alternatively, benefits still lie in our difference. Our group's individual and shared experiences with new and different cultures both within and outside this group fosters an appreciation of diversity. With the amount of diverse experience held within our group, problem solving comes easy; each individual is subject to their own thought and therefore a fresh experience towards an old dilemma. Our diversity also causes us to develop a calling to enforce a creative environment.

Diversity within our group is seen as far as within our achievement vs nurture balance. With each member holding a different position on the scale, our dynamic targets both the nurturing-oriented environment established around Maya Harriss's workspace as well as the cutting-edge success and competitive stance. Within the Hofstede's graph, the occasional drastic stretches seen between some classifications complement each other, allowing the group to excel at general collaboration. Although the graph displays a summary of each individual, there is more to each profile than is displayed due to the adaptivity our profiles allow us to grow in.

HOFSTEDE GRAPHS

Below we have listed the Hofstede graphs pertaining to each of the team members' countries. The Hofstede graphs show each of our cultural values and beliefs regarding professional development and teamwork. The graph is comprised of 6 classifications: power distance, individualism, achievement (masculinity), uncertainty avoidance, long term orientation, and indulgence.



PRO FILES

The Masked Water-Tyrants



TRAN BAO HO

CULTURAL PROFESSIONAL SUMMARY

My name is Tran Ho, and I'm from Vietnam. I consider myself to be a big picture person and tend to work flexibly. Usually, the high power distance of my culture influences me the most. On the other hand, I can adapt easily to a new environment, so the cultural difference is not a significant problem for me.

CONTRIBUTING TO THIS TEAM

I believe that my cultural background has a significant impact on me, especially in terms of high-context culture. I am quite sensitive about non-verbal communications. Recently, I'm learning to focus more on verbal communication and express myself more clearly. I hope our team can get to know each other better to avoid unwanted misunderstanding.

HIGH POWER DISTANCE

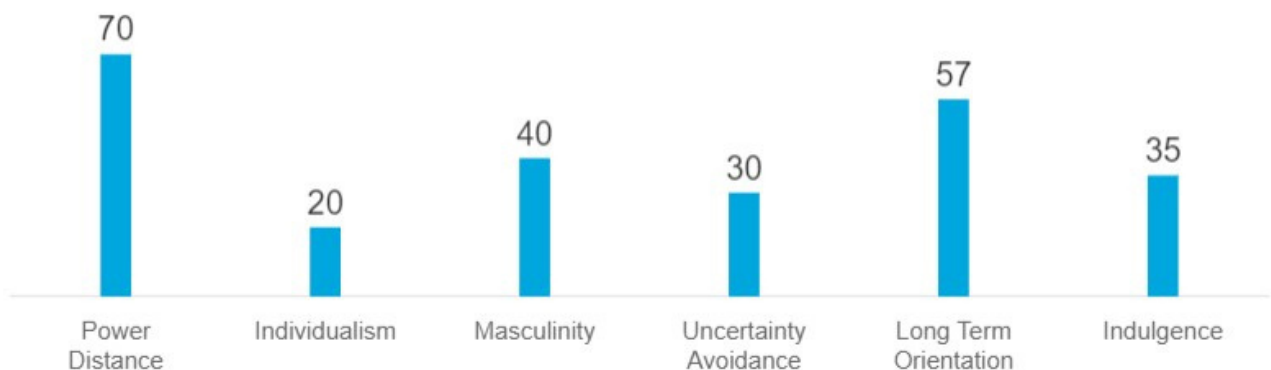
- I prioritize the perspective of seniors.
- With peers and younger people, I appear to be more outgoing, but with seniors, I tend to be more reserved.
- Sometimes, it is difficult for me to make important decisions.

COLLECTIVISM

- I can go along well with people from different cultures.
- I take responsibility very seriously when it comes to teamwork.
- I value the majority opinion. Sometimes, I tend to be shy to share my idea if it differs from that of others.

ACHIEVEMENT AND NURTURING

- I am somewhere in between achievement and nurturing.
- I am quite competitive and want to achieve the highest score as possible.
- I want to develop a close-knit and long-lasting relationship with everyone.



Hofstede Cultural Dimensions Scores for Vietnam



Thais I. Parron Ruiz

CULTURAL PROFESSIONAL SUMMARY

My past experiences and cultural background will impact how I approach professional endeavors including projects and teamwork. I was raised in a collectivist culture, so I tend to take into consideration what my teammates are saying. My culture also has a high Power Distance and that affects my professional endeavors because I highly respect the ones that are considered the team leader.

CONTRIBUTING TO THIS TEAM

I have some specific culturally ingrained habits that impact how I engage with other people and how I navigate teamwork are that I help my teammates when they need it and expect them to also help me, another thing is that I tend to try to avoid uncertainty as much as possible. I will navigate these culturally ingrained habits by talking to my teammates about them, and hearing theirs so we all can find a collective solution in case there are any obstacles caused by our culturally ingrained habits.

HIGH POWER DISTANCE

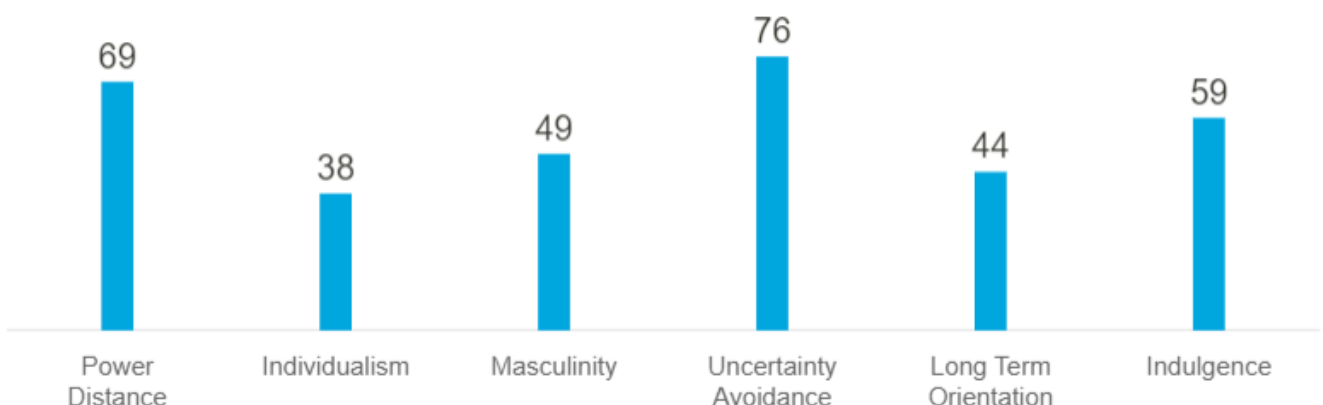
- I respect people who are in a higher position than mine.
- I do what I am asked and contribute to the assignments.
- I talk to the team about the assignments so that we can finish them in time.

COLLECTIVISM

- I participate in discussions and decisions.
- I ask for help when I need it.
- I consider what my teammates are saying as well as contribute to the assignment.

ACHIEVEMENT AND NURTURING

- I take into consideration both success in the project and the team's relationship.
- I help my teammates if they need it.
- I try to maintain a good and functional relationship with my teammates.



Hofstede Cultural Dimensions Scores for Brazil



ALIEF IKHRAM RADAVA

CULTURAL PROFESSIONAL SUMMARY

I was born in Jakarta, Indonesia and moved to the U.S. at an early age. Although I have been largely Americanized, I still have pride for my roots in Asia. I am a person that always thinks "we" before "I". Moreover, my dual-cultured background enables me to be flexible when approached with a problem. I work well in groups, but I am equally proficient at working asynchronously. I view clear direction and strong leadership as the most important elements to building a successful team. But I also recognize that ideas flourish best in environments where everyone is on equal footing.

CONTRIBUTING TO THIS TEAM

Culturally, my people emphasize decision making at the management level. This is due in part to the large power distance in Indonesia. And while I have a habit of conforming to authority, it is my notion that one should strike a balance between following the leader and operating independently. A mutual respect between senior and junior team members is key for a healthy workplace. As part of this team, it is my responsibility to adhere to the chain of command, but this does not bar me or anyone else from providing ideas when appropriate.

HIGH POWER DISTANCE

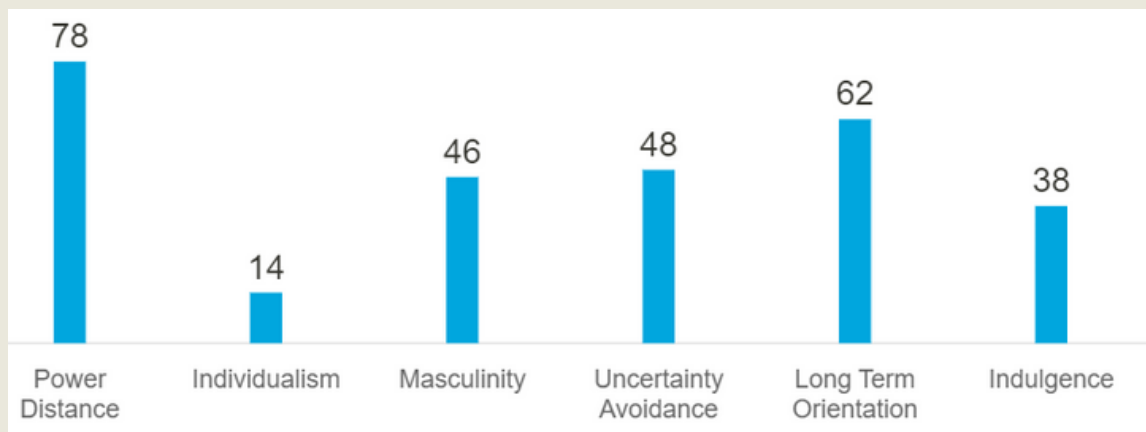
- I recognize that people need good leadership in order to function optimally.
- One's seniors should be respected as they have the most professional experience.
- Projecting confidence is important because it inspires those within your work environment.

COLLECTIVISM

- Working collectively rather than individually tends to boost my productivity.
- It is paramount for the group to take responsibly for mistakes rather than the individual as this leads to the entire team working towards a solution.
- I enjoy being a part of something larger than myself.

ACHIEVEMENT AND NURTURING

- I am both team-oriented and achievement oriented.
- I value my personal relationships highly and encourage becoming friends with one's colleagues.
- I understand that camaraderie is a powerful tool that brings out the best in us.
- Personal passion is another strong asset that keeps me motivated in times of crisis.



Hofstede Cultural Dimensions Scores for Indonesia



YARA SALEH

CULTURAL PROFESSIONAL SUMMARY

I was born and raised in the United States and have lived across the country. Despite primarily experiencing American cultural norms, I believe outside influence from family and other non-American individuals has played a significant role on my cultural outlook. Additionally, having lived in different regions within the United States has allowed me to observe internal differences that have also influenced me. Generally, these aspects influence my professional outlook as it causes me to have a more individualistic outlook when working on projects. The moderate to low power distance is also seen in my professional work habits.

CONTRIBUTING TO THIS TEAM

Culturally, there is an unspoken expectation that all members of a specific project or group complete their assigned tasks. The elimination of hierarchy and inequality is also a major cultural focus. Alongside such, it still remains important that mutual respect is maintained across all participants. These ingrained habits can be utilized as strengths by making them a source of motivation to focus on the provided task at hand.

LOW POWER DISTANCE

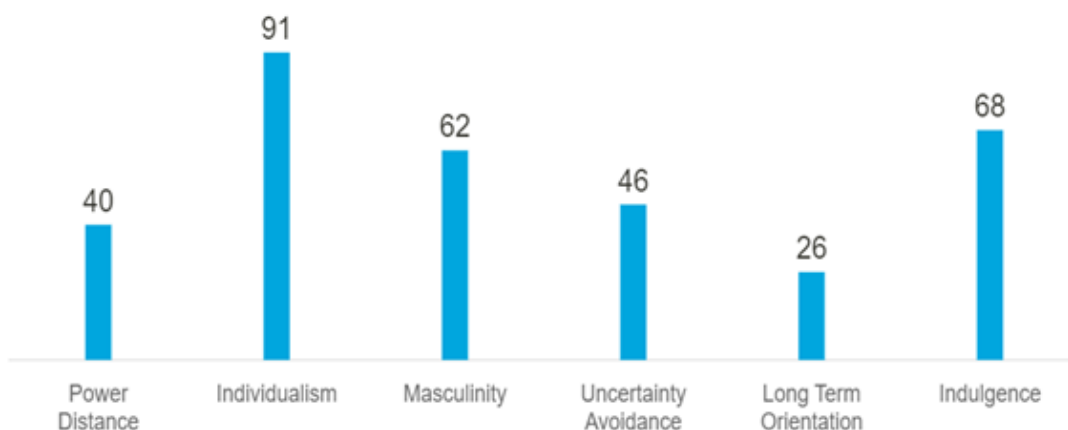
- I minimize distinction and hierarchy within professional group settings
- I believe in equal power and work distribution
- The questioning of normalities and regulations is encouraged

INDIVIDUALISM

- The primary responsibility of a person is themselves
- Self-perception is based on what one does and personal achievement
- Group membership is flexible and individuals are not exclusive to one group
- Individualism and autonomy are highly valued

ACHIEVEMENT AND. NURTURING

- There is a focus on material success and achieving specific tasks.
- Competition and outperforming others are a significant driving force of professional performance
- Voicing one's opinions is crucial



Hofstede Cultural Dimensions Scores for the United States



VANESSA MARTINEZ

CULTURAL PROFESSIONAL SUMMARY

I was born in Tachira, Venezuela and moved to the US when I was 10 years old. Being from a collectivist society has taught me to prioritize teamwork and group success, this also relates to the power distance in my country, which enhances my drive to give the best to the person in charge. However, moving here allowed me to adapt to different environments and blend with people from different ideals.

CONTRIBUTING TO THIS TEAM

I believe that the key to success is hard work. This is an ingrained habit in my culture. Being able to express my voice toward topics of important matters in coming up with solutions. I will navigate these culturally ingrained habits by including everyone in the team and making sure all are on board with decisions. I will also make sure that the team is turning in their best work and promoting help if there is something with which their teammates are struggling.

HIGH POWER DISTANCE

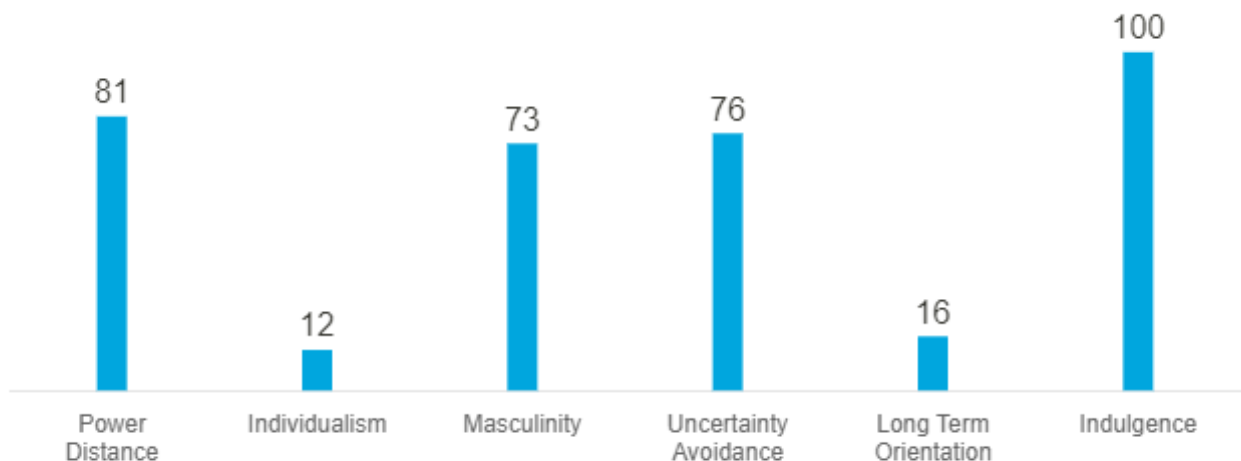
- I believe that there is a senior head that oversee a professional setting.
- Although I tend to comply majority of the time, I sometimes question authority to make sure things are done correctly.
- A balance between a high and low power distance should be met to keep projects at the best they can be.

COLLECTIVISM

- Projects should be done together as a group.
- If a teammate asks for help, I shall offer help.
- If individual assignments are given to split up work, one should have them done. However, the group should help each other if questions are risen.

ACHIEVEMENT AND NURTURING

- I am a success-driven person.
- I believe hard work is the key to creating a great result.
- I enjoy being able to express my concerns regarding decisions about the projects.



Hofstede Cultural Dimensions Scores for Venezuela

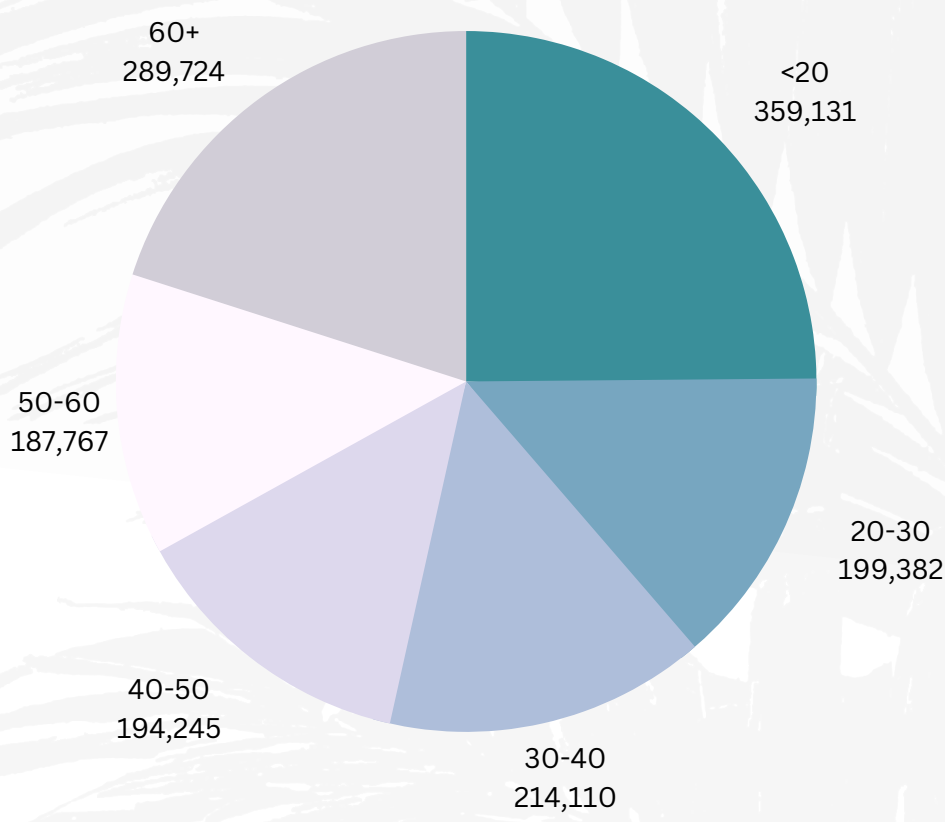
ARTI FACT

The Masked Water-Tyrants

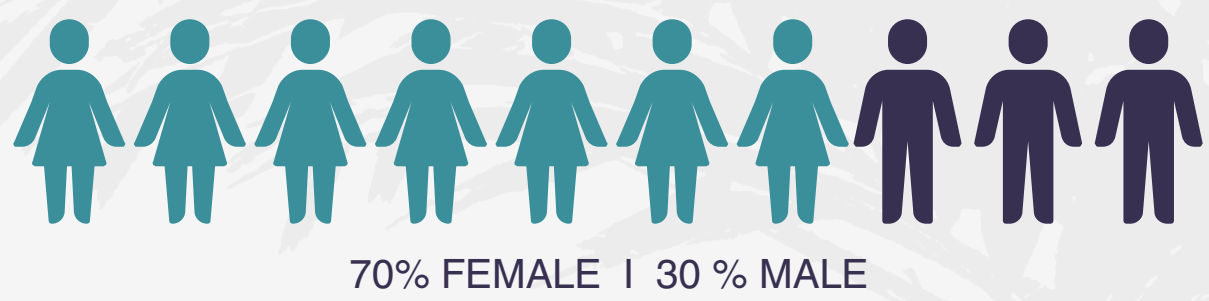
About Hillsborough County



AGE GROUP



GENDER



COUNTY CREATED IN **1834**

4TH MOST POPULATED FL COUNTY

MILES OF COASTLINE **76**

1046 SQ. MILES OF LAND

SQ. MILES OF INLAND WATER **24**

POPULAR ENVIRONMENTAL PROJECTS:

A line-art icon depicting a water faucet with a single drop of water falling from it, symbolizing water conservation.

**WATER
CONSERVATION**

A line-art icon of the universal recycling symbol, consisting of three arrows forming a triangle.

RECYCLING

A line-art icon of a trash can with a lid, symbolizing proper waste disposal and anti-littering.

ANTI-LITTERING

History

N A M E

Hillsborough County gets its name from Wills Hill, the Earl of Hillsborough and the British Secretary of State for the Colonies in the 18th century.

R E G I O N

Hillsborough's territory used to stretch much farther than it does today, previously including Charlotte, DeSoto, Hardee, Manatee, Pasco, Pinellas, Polk, and Sarasota, with the final county borders being changed in 1911.

Commit to Sustainability

C O N C E R N S

The primary concern for prosperity in Hillsborough county is maintaining clean and suitable communities. Preservation raises questions regarding reducing use and waste, water conservation, recycling, agricultural concerns, and reclaiming water.

T A K I N G A C T I O N

Help out by reaching out to local projects to find a way to help!

Take eco-friendly measures at home such as recycling, minimizing water waste while showering, and picking up trash rather than littering.



**Hillsborough
County** Florida

THINK SUSTAINABLY.

BY: YARA SALEH

PROJECT

The Masked Water-Tyrants

SUSTAINABLE ENGINEERING PROJECT IDEA

The Hillsborough River is highly important to the people of Hillsborough. The County depends on its freshwater aquifers to supply clean drinking water to its residents. However, the large population of Hillsborough has placed a strain on the river's natural resources. By not allowing aquifers to replenish themselves not only is the threat of drought increased but the risk of sinkholes as well. This project is meant to devise a solution to this, by enabling Hillsborough's groundwater aquifers to recover. The main focus of the project will be the Hillsborough River and preserving it during periods of stress such as droughts or times of high demand. Installation of dams, reservoirs, and equipment to repump aquifers would all be priorities to aid against the effects of overconsumption. Though, all this equipment would have to be installed with careful consideration towards the natural ecosystem. Although the primary goal of this project is to help communities dependent on the Hillsborough River, the secondary objective is to protect the wildlife that is mutually reliant on the Hillsborough River. We will create a reservoir system to collect excess water during the wet season that could help refill the waters of the Hillsborough's River during the dry season. In addition to this, aquifer pumps would be used to refill groundwater deposits as a prevention method against sinkholes. The result would be beneficial for both human and animal parties involved, possibly returning the Hillsborough River to a healthier state than it was ever before.

Our Project is an Engineering Project because it seeks to solve an issue through the improvement of existing systems. Anti-drought procedures already exist for Hillsborough County; however, they could be improved based on the number of sinkholes that still appear around the county. Furthermore, our Project is a sustainable engineering project because the environmental effects of our methods would be closely analyzed. Supply chain engineers would be required to manage how much water would be stored in reservoirs and how it would be distributed. Additionally, water treatment engineers would have to devise a method of safely replenishing aquifers without damaging the ecosystems. Pumping water out of the groundwater reservoirs is already a technique used extensively, however pumping water back into reservoirs would require additional work. Lastly, Environmental engineers would be critical to the success of this project given that they would help ensure an environmentally friendly way of incorporating all these systems and process into place on the Hillsborough River.

SUSTAINABLE ENGINEERING

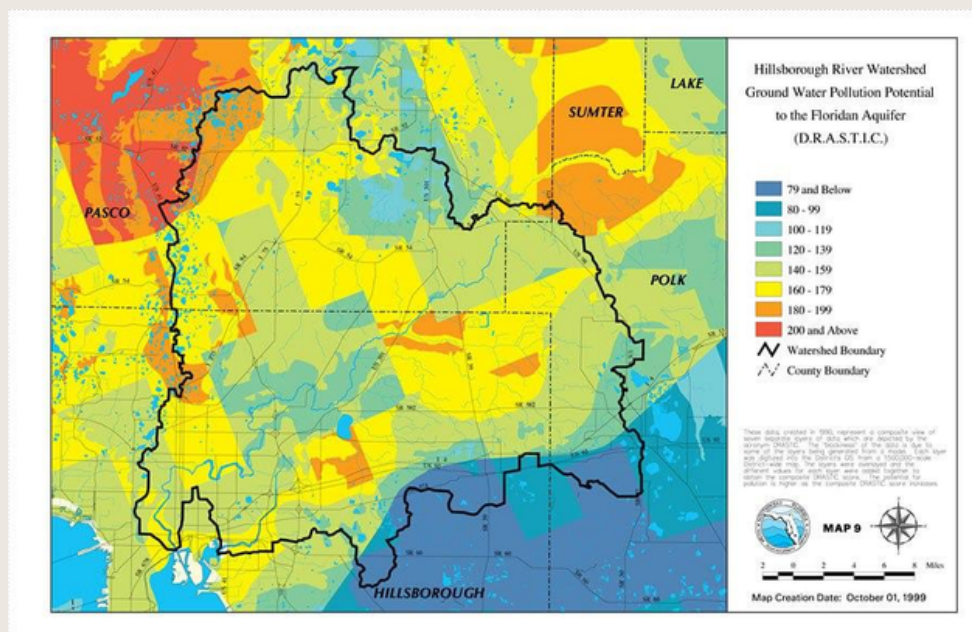
PROJECT IDEA (CONTINUED)

The three main groups impacted by this project include water companies, the agricultural community, and low-income households/ small businesses.

The project will directly benefit the water facilities in the county. First, the project will create more water sources, which can help increase the overall capacity of the water supply systems. Also, the project can facilitate the maintenance of clean water supply. Especially in times of droughts or high demands, the companies can still have enough water sources to supply individuals, families, and businesses. Furthermore, the companies can apply the same techniques and develop an innovative approach for their systems, which will increase the efficiency of the companies' operations.

The workers and farm-owners will need a lot of water for cultivation and their livestock throughout the year. This project will help ensure that there is enough water to supply all the crops and animals. Especially for cultivation, the aquifer pumps will ensure that the plants will always be fresh and of high quality. Also, this can help the agriculture community in Hillsborough County to home-grow more kinds of crops that consume a lot of water such as rice, cotton, and sugarcane.

As the county applies the project, the capacity of the water source will increase, which in return will reduce the cost of clean water. Low-income families and small businesses can now easily purchase clean water supply without finding the water cost a great barrier. Low-income households can use the money for other urgent needs such as food and shelter. Small businesses can use the money to invest and develop their companies. Besides, since they have access to clean water sources, they will avoid a lot of risks from waterborne diseases



SUMMARY OF REVISIONS

As a group, all feedback received from professors, teacher's assistants, and peers was reviewed. The only constructive feedback received was the alteration of credentials used to refer to Dr. Maya Harris in the cover letter (Mrs. to Dr.).

No further revisions were necessary.