

Taniya Shaffer

Phone: (786) 393-3619

Email: shaffertaniya@knights.ucf.edu

Address: 3561 Stonefield Dr Orlando, FL 32826

Education

Bachelor of Science in Computer Engineering

May'22

University of Central Florida, GPA: 3.53

Relevant Coursework: CS1 using C++, Digital Systems, Differential Equations

Experience

Undergraduate Research Student Assistant

Dec'18 – Present

UCF BRAIN Lab, Orlando, FL

- Coded a python script that filters EMG data and plots them as several analysis graphs
- Co-authored a paper presented at the Society for Neuroscience 2019 conference

Key Skills

Languages: C, C++, Python

Software: MongoDB, Microsoft Office, MATLAB, GitHub, Adobe Creative Cloud

Projects

Continental – a Personal Project

Jul'19 – Present

Back End Developer

- Established MongoDB backend database of ingredient pairings to help novice chefs create new recipes, resulting in a foundation for front end development
- Brainstormed initial framework for the user interface and additional features

Ready, Set, Queue! – a Personal Project

Dec'19 - Present

Full Stack Developer / Project Manager

- Drafted development timeline and outlined API requirements to ensure steady production for this web app that will help people choose how to spend their recreation

Paving the Way Foundation

Nov'19 – Present

Data Analyst Volunteer

- Analyzed survey data collected to measure the efficacy of education programs designed to prevent human trafficking
- Collected statistics on the approximate amount of people trafficked yearly in Orlando to set up a cross-analysis of the program's impact in the community

Self-Replicating Robot Project (SRRP)

Aug'18 – Nov'18

Designer

- Brainstormed initial design of the robot's modular arms that would become the basis for future designs
- Helped build the initial prototype of the robot's foundational, mechanical structure

Associations

Burnett Honors College at UCF

Jun'19 – Present

- Awarded 2 scholarships to study abroad in Egypt for the spring 2020 semester

Biomedical Engineering Society at UCF (Secretary, Treasurer)

Spring'19, Fall'19

- Wrote a proposal that awarded the club a \$3k grant from NASA Florida Space Consortium