Samuel Queen

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EDUCATION

BS Computer Science August 2021 - December 2023

Arizona State University, Tempe, AZ

AS Science August 2019 - December 2021

Phoenix College, Phoenix, AZ

WORK EXPERIENCE

Software Engineer Intern May 2020 - May 2021

NASA Ascend Team Phoenix College, Phoenix College

- Worked with a team of engineers to create a weather balloon payload that was launched over 100,000 ft into the atmosphere.
- Designed an automated APRS tracking system that was responsible for communicating with the payload during flight.
- Created an automated twitter bot to provide followers with live updates of the flight.
- Programmed a microcontroller to control a ground-based antenna and track the payload during it's ascent.
- Modified existing software to correct errors and improve performance.

SKILLS

Languages	Javascript, SQL, C++, Java, Python, C#, HTML, CSS
Technologies	React, NodeJS, Express, MongoDB, Bash, Git
Tools	Visual Studio, Jira, Github, Docker, Slack, Figma

PROJECTS

Online Local Marketplace App *React, Javascript, HTML, CSS* https://veriloot.netlify.app/

This project implemented react and JavaScript to crate an online local marketplace application.

Online Social Media Platform Project *React, Express, NodeJS, MySQL, CSS* https://picturethisapp.netlify.app/

A social media platform created using react, mysql, and express. The goal of this project was to use react and express to interact with a database. This application allows a user to create an account and upload posts. Users can also comment and like other user's posts.

Sorting Algorithm Visualizer *JQuery, Javascript, HTML, CSS* https://samqueen.github.io/bubble-sort/bubble.html

This educational project provides a visualization of the bubble-sort algorithm. The goal of this project was to obtain a better understanding of how sorting algorithms work and learn how they are implemented efficiently.

Antipodal Calculator IOS App *Swift, SwiftUI*

An IOS application that calculates the user's opposite location on the earth. The application also provides current news events from this antipodal location.

APRS Python Web Scraper *Python* https://github.com/SamQueen/APRS_GPS

A simple web scraper that collects data from aprs.fi. This application was built in order to track the position of moving APRS packets.