

Samuel Queen

Software Engineer

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Experience

NASA Ascend Phoenix College

Phoenix, AZ

Software Engineer Intern

2020 - 2021

- Collaborated with a team of engineers to design and execute a high-altitude payload project, which successfully collected data and streamed video from 100,000 feet, enhancing project visibility and data acquisition.
- Developed and implemented an automated APRS tracking system, which played a pivotal role in maintaining real-time communication with the payload throughout its flight.
- Engineered and programmed a microcontroller-based system to autonomously direct a ground antenna, enhancing payload tracking precision by 25% and ensuring consistent real-time data monitoring.

Education

Arizona State University

Tempe, AZ

Bachelor of Science in Computer Science

December 2023

Projects

Social Media Web Application

<https://www.pictureper.com/>

React, Next.js, MySql, Express, NDe.js, Tailwind, Typescript

An Instagram-based social media web application that allows users to create, share, comment on, and like posts. This application also supports real-time, socket-based messaging between users, enabling seamless communication. The platform was built focussing on user experience and scalability, ensuring smooth performance even with high user engagement.

Netflix Clone

GitHub Link - <https://github.com/SamQueen/movie-app>

React, Express, Node.js, REST

A clone of the Netflix streaming service, integrated with the TMDb (The Movie Database) API. This website provides users with the latest and upcoming movies by genre and popularity. It features a user-friendly interface, enabling smooth browsing and discovery of new content.

NPM Responsive Image Slide Package

<https://www.npmjs.com/package/react-flexible-slide>

React, Typescript, NPM

A responsive TypeScript React image carousel component utilizing CSS transitions for smooth animations and user-friendly navigation. Ensured compatibility across various screen sizes and devices through thorough testing and responsive design principles.

Technical Skills

Languages: C++, Python, Javascript, Typescript, HTML, CSS, MySQL, Java, C++

Frameworks: React, Next.js, Express.js, Tailwind, Bootstrap, Node.js

Dev Ops: Git, Docker, Heroku, Netlify, AWS