Education

University of Florida Gainesville, FL

B.S. IN COMPUTER SCIENCE (MAJOR, COLLEGE OF ENGINEERING)

Aug. 2018 - Dec. 2022

• GPA: 3.91

Skills

JavaScript · TypeScript · C/C++ · Python · Java · Linux · React · React Native · NodeJS · Express · Google Cloud · Flask

Work Experience _____

American Express Remote

SOFTWARE ENGINEER (INTERN)

- · Led development of theme builder web application for the AMEX design language system, impacting 1000's of projects across the enterprise using React and JavaScript.
- Improved developer experience of consumers of the AMEX React component library by adding TypeScript declaration files in order to support TypeScript and autocompletion in IDEs.

American Express Remote

SITE RELIABILITY ENGINEER (INTERN)

Jun. 2021 - Aug. 2021

- Led team in combination of 6 Prometheus servers monitoring 1000's of different Kubernetes pods into 1 scalable Thanos server with 1 universal Grafana dashboard using Ansible.
- · Increased metric retention from 14 days to 365 days and reduced computations needed for long-range queries by up to 98% using Thanos Compact.

American Express Remote

SOFTWARE ENGINEER (INTERN)

Jul. 2020 - Aug. 2020

- · Created a React web application using Redux state management and a Java REST API to create a secure, searchable "journey" database for customer care professionals.
- · Developed over 100 unit tests with 100% code coverage and extensive documentation for a seamless hand-off.

Lockheed Martin Orlando, FL

SOFTWARE ENGINEER (INTERN)

May. 2019 - Aug. 2019

• Developed temperature regulation system using embedded C++ based on IMU data to prevent critical system shutdowns, saving \$1,000's in recurring maintenance costs.

Extracurricular Activities & Projects_

Mobile Computing University of Florida

PROJECT LEAD

- · Designed and developed fullstack smart space dashboard and IoT app manager using React, TypeScript, Express, and Redis. · Integrated Raspberry Pis as IoT things running Atlas middleware to multicast available services to build IoT apps with.
- · Developed automated code generation backend for the deterministic creation of IoT apps from JSON app descriptions provided by frontend.

Computer Networking Fundamentals

University of Florida

• Utilized TCP sockets with a well-defined networking protocol to create a peer-to-peer file sharing program in Java.

Dec 2021

Apr. 2022

- · Led group in determining architecture, defining tasks, and establishing code collaboration sessions.

SwampHacks Leadership

PROJECT LEAD

TECHNICAL DIRECTOR

University of Florida Aug. 2019 - May. 2020

· Developed and tested robust frontend and backend systems to run hackathon using React, JavaScript, and Firebase.

- Implemented event statistic tracking using NFC tags to uniquely identify hackers at check-in and throughout the event.
- · Cooperated closely with organizers and art team to turn user stories into technical features.