

Education

University

BACHELOR'S IN COMPUTER SCIENCE

Graduating May 2024

Experience

Government Agency

SOFTWARE ENGINEER INTERN

Location

Jan 2020 - May 2020

- Developed a new internal government web application used by more than 50 agencies nationwide with React and Redux
- Provisioned a microservices infrastructure on AWS using Docker and Infrastructure as Code tools like Terraform
- Built multiple RESTful API microservices in Go
- Designed database schemas and SQL migrations for PostgreSQL
- Created automated CI/CD pipelines on Atlassian Bamboo for cleaning, testing and deployment of software modules

CS Mentoring Program

MENTOR

Location

May 2018 - Sep 2018

- Mentored Y, a university student, in a software project for X organization
- Guided the student in developing a feasible timeline and setting milestones for his software project over 4 months
- Conducted regular meetings with the student to discuss architectural decisions and provide feedback for his code on GitHub

X University

COMPUTER SCIENCE RESEARCHER

Location

Jun 2016 - Dec 2016

- Conducted research on using technology to improve physical performance under Dr. Z
- Developed a native Android application utilizing motion sensors and audio processing algorithms to improve users' physical performance

Honors & Awards

X Scholarship

2020

- Recipient of a prestigious full-ride scholarship
- One of 28 undergraduate scholars chosen out of over 1000 applicants

Y Software Competition Winner

2017

- Won out of 1400 participants worldwide
- Merged 31 pull requests and contributed 3000 lines of code to open-source software for X organization on GitHub

Z Hackathon Finalist

2016

- Developed an Android application allowing users to conduct financial transactions over NFC by touching two phones together

Projects

Project 1 - Web Intelligence [↗](#)

PERSONAL PROJECT

2019 - Present

- Created a Python library and command line interface for querying online platform usage, including a CI/CD pipeline on Travis for testing
- Outperforms similar tools by achieving 100% accuracy and utilizes asynchronous programming for speed
- Trending on GitHub with X stars

Org 1 - Open-Source Software [↗](#)

CORE CONTRIBUTOR

2016 - Present

- Manage project development and contribute code in this open-source community of over 100 developers, designers, and users

Project 2 - Real-time Visualization of X [↗](#)

PERSONAL PROJECT

2020

- Built a web application that conducts real-time sentiment analysis and visualization of X using React, Typescript, and Web Workers

Technical Skills

Languages Python, JavaScript, Typescript, Go, Java, SQL

Technologies React.js, Android, Docker, Flask, PostgreSQL, AWS, Azure, Git