

Development Skills

Web Development: JavaScript (3 years), TypeScript (2 years), Node.JS (2 years), Angular (1 year), HTML, CSS, React
Application Development: Java (4 years), C++ (3 courses)
Mobile Development: Android (1 course), Java (4 years, 3 courses), React Native
Other Skills: Git (3 years), Linux (2 years), Python (1 course), SQL (1 course), AWS, Cloud Computing

Education

Honors College Bachelor of Science in Computer Science May 2021
University of Arkansas, Fayetteville, AR GPA: 4.0
Minor: Mathematics

Current Enrollment: Mobile Programming (Android), Algorithms, Computer Networks, Operating Systems, Database Management, Capstone I

Experience

Amazon AWS IoT Device Gateway Software Development Engineering Intern Summer 2019

- Implemented distributed throttling solution using dynamic host discovery on a highly scalable Java service
- Gathered metrics to analyze distributed throttling performance and make better design decisions
- Wrote unit tests to ensure stable functionality of code in the future and to adhere to TDD principles
- Improved pub-sub client that allows publish and subscribe functionality from local machine to different environments for testing purposes

Recent Projects

Crowd-Source Machine Learning Data Model Labeling Android Application Current

- Building a Java Android application to enable crowd-sourced data model training similar to Google Surveys or Recaptcha for companies to easily train machine learning models
- Developing using MVP design methodology to create cleaner code and support ease of scalability in the future

Software Engineering Employee Checkout Web Application Spring 2019

- Worked with team of student developers to implement a shopping cart and checkout application with Node JS Express backend, Angular web application, and PostgreSQL database
- Enabled employees to search products and maintain a shopping cart for a customer to make the checkout process much faster

Energy Saver Hackathon Project (24 Hours) Spring 2019

- Worked with a team to develop an Angular web application and Node.js Express back-end designed to save money on electrical costs targeted towards factories and warehouses
- Allowed for remote powering of electrical devices and appliances from the web application using a microcontroller on-site and energy cost averages from a national API based on the location retrieved from a GPS module

To-Do List Android Application Fall 2019

- Built an application that allows the user to create, delete, update, and read To-Dos on their To-Do List as well as schedule notifications for due dates and mark as complete
- Implemented using Android Studio, local SQLite database

Organizations

Association of Computing Machinery (ACM) Member Fall 2018 - Present

- Involved in social and educational events for Computer Science students designed to improve development skills as well as network

Fellowship College Registered Student Organization President Fall 2017 - Spring 2019

- Organized on-campus social and outreach events for Fellowship Bible Church
- Led team of student leaders