Luke Brandon

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Development Skills

Java (4 years), **Git** (3 years), **JavaScript** (3 years), **Linux** (2 years), **TypeScript** (2 years), **C++** (3 courses), **Angular** (1 year), **Android** (1 course), **Python** (1 course), **SQL** (1 course)
Front-End Development (2 years), **Back-End Development** (2 years)
Familiar: React, React-Native

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

Experience

Amazon AWS IoT Device Gateway Software Development Engineering Intern — Summer 2019

- Implemented distributed throttling solution using dynamic host discovery on a highly scalable web service
- Worked as part of a team to make objective design decisions utilizing gathered metrics and data
- Wrote unit tests to ensure stable functionality of the code in the future and adhere to TDD principles
- Improved pub-sub client that allows publish and subscribe functionality from local machine to testing stacks for testing purposes

Recent Projects

Crowd-Source Machine Learning Data Model Labeling Android Application — Current

- Building an Android application to enable crowd-sourced data model training similar to Google Surveys of Recaptcha for machine learning models
- Developing using MVP design methodology which creates cleaner code and supports scalability for 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 so to make as to make the checkout process much faster

Energy Saver Hackathon Project — Spring 2019 24 Hours

- Worked with a team to develop an application designed to save money on electrical costs targeting factories and warehouses within the timeframe of 24 hours
- Allowed for remote powering of electrical devices and appliances from we the web application using a microcontroller and energy cost estimates based on average energy cost for the area retreived 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 developent skills as well as network

Fellowship College Registered Student Organiztion President — Fall 2017 - Spring 2019

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