

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
<ul style="list-style-type: none">Implemented distributed throttling solution using dynamic host discovery on a highly scalable web serviceWorked as part of a team to make objective design decisions utilizing gathered metrics and dataWrote unit tests to ensure stable functionality of the code in the future and adhere to TDD principlesImproved 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
<ul style="list-style-type: none">Building an Android application to enable crowd-sourced data model training similar to Google Surveys of Recaptcha for machine learning modelsDeveloping using MVP design methodology to create cleaner code and support ease of scalability in the future	
Software Engineering Employee Checkout Web Application	Spring 2019
<ul style="list-style-type: none">Worked with team of student developers to implement a shopping cart and checkout application with Node JS Express backend, Angular web application, and PostgreSQL databaseEnabled 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
<ul style="list-style-type: none">Worked with a team to develop an application designed to save money on electrical costs targeting factories and warehouses within the timeframe of 24 hoursAllowed 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 retrieved from a GPS module	
To-Do List Android Application	Fall 2019
<ul style="list-style-type: none">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 completeImplemented using Android Studio, local SQLite database	

Organizations

Association of Computing Machinery (ACM) Member	Fall 2018 - Present
<ul style="list-style-type: none">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
<ul style="list-style-type: none">Organized on-campus social and outreach events for Fellowship Bible ChurchLed team of student leaders	

