

Mason DUAN

Software Engineer

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WORK EXPERIENCE

SOFTWARE DEVELOPMENT ENGINEERING INTERN | AMAZON | VANCOUVER, B.C. CANADA MAY 2020 – JULY 2020

- > Worked as a Full Stack Developer to create a self-service web application that onboards users to the team's data stream service.
- > Developed Lambda functions and corresponding API Gateways that connects and leverages internal Amazon services using NodeJs.
- > Created simple and intuitive web application for the onboarding processes using ReactJs.

ReactJs NodeJs IntelliJ AWS

SOFTWARE ENGINEERING INTERN | YELP | SAN FRANCISCO, CA, USA MAY 2019 – AUG 2019

- > Worked as an Android Developer to create a new food ordering checkout page by consolidating the existing two checkout pages.
- > New checkout page is estimated to retain 3-4% of user drop off when ordering and is estimated to bring in an additional 1-2 million in annual revenue.
- > Cleaned up infrastructure by modularizing components using model-view-presenter principles.

Android Studio Kotlin Java JIRA Jenkins

PROJECTS

NALOXONE MAY 2018 – JUNE 2018

 Naloxone Project Page

- > Built a React Native application to combat the opioid crisis by showing nearby Naloxone via pharmacy, hospitals and other using Google Maps API.
- > Built Cloud Functions with Javascript to create distress calls for overdosed victims.
- > Uses Google Firebase's NoSQL Database as a backend to store user's data and preferences.

React Native Google Maps API Google Cloud Functions Firebase Javascript

FINN MARCH 2018

 Finn Project Page

- > An Android personal assistant that uses Microsoft Language AI to recognizes voice commands via Google's Speech to Text and executes the command on the Arduino via Bluetooth.
- > Upon executing the user's commands, the Arduino sends a response back to the Android application and displays the response to the users.

Android Microsoft Language AI Google Speech to Text Bluetooth Java

TECHNICAL SKILLS

Languages C++, Java, Kotlin, JavaScript, HTML/CSS, React Native, Python, NodeJs, ReactJs

Applications IntelliJ, Android, Expo, Jupyter Notebook, JIRA, Jenkins, Git, AWS

EDUCATION

Graduating in **University of British Columbia** | B.ASc Electrical Engineering
2021 > Courses include : Data Structures and Algorithms, System Software Engineering, Computer Communications, and Introduction to Computer Security.