

STEVEN SHIH

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EDUCATION

University of British Columbia
B.A.S.C in Computer Engineering.

2015 - 2019

EXPERIENCE

Hootsuite

Software Engineering Intern

January 2018 - Present

Vancouver, Canada

- Worked with Kafka in scala distributed systems to sort and process events on messages and threads.
- Utilized protocol buffers with Google's gRPC to extend a rootification service written in Golang.
- Implemented and extended endpoints in GraphQL for interfacing with a React frontend.
- Refactored and implemented new features in existing PHP monolithic legacy system.

National Taiwan Normal University

Intern

May 2016 - August 2016

Taipei, Taiwan

- Tested for bugs in questionnaires and surveys for the Ministry of Education in Taiwan using Excel.
- Developed app using Android Studio with audio recording/playback for a storybook using Java and XML.

PROJECTS

Vending Machine REST Server

Node, Express, Kairos API, AWS, MongoDB

- REST server deployed on AWS EC2 consuming several APIs for connecting to our IoT vending machine, Raspberry Pi, and Android app.
- Secure login and password hashing/salting using Passport.js.
- Facial recognition login using Kairos API and HTML5 Media Capture.

SafeSale

Python, Node, Express, Handlebars, CockroachDB

- Chrome extension for deciding on the safest place to make a trade between a buyer and seller on Craigslist, based on RCMP's criminal activity database. Worked on front-end portion.
- Scores criminal activity data based on severity and stores data in CockroachDB.
- Utilizes Google Maps API to find location.

SKILLS

Programming Languages

Scala, Python, C, C++, Go, Java, Php, JavaScript, GraphQL

Libraries/Frameworks

Node.js, React.js, Cats, Play

Tools/Databases

Kubernetes, Docker, gRPC, AWS, Jenkins, sbt, Jira, Sumologic

ACTIVITIES

NWHacks 2017

Western Canada's largest hackathon

Participant (2017)

BizHacks 2017

Business focused hackathon

Participant (2017)

UBC Thunderbots

Autonomous soccer-playing robots

Member (2016 - 2017)

UBC LaunchPad

Develop software in teams

Developer (2017 - Present)