

# STEVEN SHIH

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## EDUCATION

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

2015 - 2019

## EXPERIENCE

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### 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 notification 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.
- Integrated Instagram Business capabilities with Hootsuite Streams.

### 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

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### 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

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### 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

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### 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)