STEVEN SHIH

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EDUCATION

University of British Columbia   *2015 - 2019*
B.A.S.C in Computer Engineering.

EXPERIENCE

Hootsuite   January 2018 - Present
Software Engineering Intern   *Vancouver, Canada*

· Contributed to multiple microservices that forms a unified messaging system across multiple social networks.
· 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   May 2016 - August 2016
Intern   *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)