

# STEVEN SHIH

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## EDUCATION

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

*2015 - Present*

## EXPERIENCE

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### Hootsuite

January 2018 - August 2018

*Software Engineering Intern*

*Vancouver, Canada*

- Wrote functions in Scala 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.
- Integrated Instagram Business capabilities with Hootsuite Streams in Scala.

### 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

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### Hotel Management API

*Restify.js, Google Cloud SQL, Google Cloud filestore, Azure Cognitive Systems, Paypal API*

- REST API deployed on Google App Engine consuming several APIs for connecting to DE1-SOC and Raspberry Pi.
- Secure credit card handling with Paypal's Vault API.
- Facial recognition login using Azure Face API with file references to images saved in database and images saved in filestore.

### Smart Security Camera

*Golang, Terraform, CloudFormation, AWS Lambda, AWS Kinesis, AWS Rekognition, AWS SNS*

- Uses terraform to efficiently initialize and deploy AWS infrastructure and code.
- AWS Kinesis and Rekognition to stream video and detect faces from Raspberry Pi camera.
- AWS Lambda and API Gateway provides HTTP endpoint when a trigger is activated.
- SNS to subscribe and notify users of intruders.

## SKILLS

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### Programming Languages

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

### Libraries/Frameworks

React.js, ReactNative, Express.js, Restify, Cats, Play

### Tools/Databases

Docker, AWS, Terraform, Google Cloud Platform, Azure, gRPC, Kubernetes

## ACTIVITIES

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### NWHacks 2019

Western Canada's largest hackathon

Top 20 (2019)

### NWHacks 2017

Western Canada's largest hackathon

Participant (2017)

### BizHacks 2017

Business focused hackathon

Participant (2017)

### UBC LaunchPad

Develop software in teams

Developer (2017 - Present)