

# STEVEN SHIH

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## EDUCATION

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### University of British Columbia

2015 - Present

Bachelor of Applied Science in Computer & Electrical Engineering.

## EXPERIENCE

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### MetCredit

Jun 2019 - Present

Software Intern

Vancouver, Canada

### Hootsuite

Jan 2018 - Aug 2018

Software Engineering Intern

Vancouver, Canada

- Assisted with the implementation of Inbox threaded conversations using a TDD approach.
- Utilized proto3 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 in Scala.

### National Taiwan Normal University

May 2016 - Aug 2016

Research Intern

Taipei, Taiwan

- Tested for bugs in questionnaires and surveys for the Ministry of Education in Taiwan using Excel.
- Developed and published Android application with audio recording and playback capabilities for a children's storybook.

## 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

- 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, Java, C, C++, Golang, Php

### Libraries/Frameworks

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

### Tools/Databases

Docker, Terraform, GraphQL, Azure, gRPC, MySQL, PostgreSQL, 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

Student-run software engineering team

Developer (2017 - Present)