

STEVEN SHIH

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EDUCATION

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

2015 - Present

EXPERIENCE

Hootsuite

January 2018 - August 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 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

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

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

Programming Languages

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

Libraries/Frameworks

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

Tools/Databases

Docker, AWS, Terraform, GCP, GraphQL, Azure, gRPC, Kubernetes

ACTIVITIES

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)