STEVEN SHIH

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EDUCATION

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

EXPERIENCE

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

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
Python, Golang, Terraform, AWS Lambda, AWS Kinesis, AWS Rekognition

- 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.

SKILLS

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

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)