

# STEVEN SHIH

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## EXPERIENCE

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- Facebook** June 2020 - Aug 2020  
*Incoming Software Engineer Intern*
- Amazon** Sep 2019 - Dec 2019  
*Software Development Engineer Intern*
- Designed and implemented a scalable batch endpoint solution to allow tenants to submit overrides to a program (Prime, Fresh, etc.).
  - Augmented feature with SQS to utilize a fleet of hosts to asynchronously process a large request.
  - Scaled the submission of overrides from a single override to the ability to submit millions.
- MetCredit** Jun 2019 - Aug 2019  
*Software Engineering Intern*
- Processed imbalanced data using techniques such as over-sampling and SMOTE for training a predictive model.
  - Increased debt recovery rate using logistic regression analysis on client data to determine propensity to pay.
- Hootsuite** Jan 2018 - Aug 2018  
*Software Engineering Intern*  
*Inbox Team*
- 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.
  - Integrated Instagram Business capabilities with Hootsuite Streams.
- NTNU** May 2016 - Aug 2016  
*Research Intern*

## EDUCATION

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- UBC** *Expected 2021*  
Bachelor of Applied Science in Computer & Electrical Engineering. *GPA: 3.7*

## PROJECTS

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|--|---|
| <b>Hotel Management API</b><br><i>Restify.js, Google Cloud SQL, Google Cloud filestore, Azure Cognitive Systems, Paypal API</i>  | <b>Smart Security Camera</b><br><i>Golang, Terraform, CloudFormation, AWS Lambda, AWS Kinesis, AWS Rekognition, AWS SNS</i>   |
| <ul style="list-style-type: none"><li>· REST API deployed on Google App Engine consuming several APIs for connecting to DE1-SOC and Raspberry Pi.</li><li>· Secure credit card handling with Paypal's Vault API.</li><li>· Facial recognition login using Azure Face API with file references to images saved in database and images saved in filestore.</li></ul> | <ul style="list-style-type: none"><li>· Terraform to efficiently initialize and deploy AWS infrastructure and code.</li><li>· AWS Kinesis and Rekognition to stream video and detect faces from Raspberry Pi camera.</li><li>· AWS Lambda and API Gateway provides HTTP endpoint when a trigger is activated.</li><li>· SNS to subscribe and notify users of intruders.</li></ul> |

## SKILLS

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|------------------------------|--|
| <b>Programming Languages</b> | Python, Java, JavaScript, Scala, Php                           |
| <b>Libraries/Frameworks</b>  | Express.js, Spring, React.js, Restify, ReactNative, Cats, Play |
| <b>Tools/Databases</b>       | Docker, Terraform, GraphQL, MySQL, PostgreSQL, Kubernetes      |

## ACTIVITIES

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|----------------------|---------------------------------------|----------------------------|
| <b>NWHacks 2019</b>  | Western Canada's largest hackathon    | Top 20 (2019)              |
| <b>NWHacks 2017</b>  | Western Canada's largest hackathon    | Participant (2017)         |
| <b>UBC LaunchPad</b> | Student-run software engineering team | Developer (2017 - Present) |