

# STEVEN SHIH

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## EDUCATION

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

2015 - 2019

## EXPERIENCE

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**National Taiwan Normal University**

May 2016 - August 2016

*Intern*

*Taipei, Taiwan*

- Tested and fixed bugs for online questionnaires and surveys for the Ministry of Education in Taiwan.
- Built an Android app with audio recording/playback to accompany a children's book.

## PROJECTS

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**Vending Machine REST Server**

*Node, Express, Kairos API, Mongoose, MongoDB*

- REST server deployed on AWS consuming several APIs for connecting to our IoT vending machine, Raspberry Pi, and Android app.
- Secure login and password hashing/salting using Passport.js.
- Facial recognition login using Kairos API and HTML5 Media Capture.

**NHI Storybook**

*Android Studio, Java, XML*

- An app accompanying a storybook for children to learn to read through the sound of their parent's voice.
- Recording and playback capabilities to assist children.

**Safe Sale (NWHacks17)**

*Python, Node, Express, Handlebars, CockroachDB*

- Chrome extension for deciding on the safest place to make a trade between a buyer and seller on Craigslist, based on RCMP's criminal activity database. Worked on front-end portion.
- Scores criminal activity data based on severity and stores data in CockroachDB.
- Utilizes Google Maps API to find location.

**Personal Website**

*HTML, CSS, Bootstrap, JavaScript, jQuery*

- A responsive personal portfolio to showcase my projects.
- Utilizes HTML5 canvas and Typed.js library to create handwriting and typing animations.
- Sketch is used to prototype and create svg vector images.

## SKILLS

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**Programming (Proficient)**

JavaScript, Java

**Programming (Familiar)**

Python, C, C++

**Libraries/Frameworks**

Node.js, Express.js, React.js, Bootstrap, jQuery, Mongoose

**Markup/Templating**

HTML, CSS, XML, L<sup>A</sup>T<sub>E</sub>X

**Tools/Databases**

Android Studio, MongoDB, AWS, Git, Vim, Sublime Text, Sketch

## ACTIVITIES

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**NWHacks 2017**

Western Canada's largest hackathon

Participant (2017)

**BizHacks 2017**

Business focused hackathon

Participant (2017)

**UBC Thunderbots**

Autonomous soccer-playing robots

Member (2016 - 2017)