SAMMIE JIANG

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Education

University of British Columbia

- BASc., Computer Engineering
- Expected grad: April, 2019
- VP External, VP Comm of the ECE student society (2018, 2016)

Key Technologies

- Java
- C/C++
- Python
- React
- Ruby on Rails
- SQL
- Android
- HTML/CSS
- JavaScript
- Adobe Illustrator/Photoshop

Hobbies & Interests

- Woodworking/Decor
- Snowboarding
- Hiking
- Camping
- Traveling
- Techno/Trance

Work Experience

UBC SPPH | React, Ruby on Rails   **May 2018 – Aug 2018**
Junior Full Stack Developer

- Designed and recommended a mass data import functionality for the student management app which supported the bulk import of 300+ student data, effectively allowing 2 other programs in the department to adopt the use of the application
- Wrote and automated daily server startup/shutdown processes using bash scripts, saving over 20 man hours in total

Global Relay | ExtJS, Java, Jasmine, JUnit   **May 2017 – Dec 2017**
Software Developer Intern

- Built a bulk keyword upload feature to improve keyword search functionality, supporting 500+ keywords in production
- Refactored an overhaul of all 80+ vector icons into font icons, improving responsiveness across all browser platforms

Technical Projects

Phishing Email Classifier & Plugin | Python, JS
(2nd Best Implementation Project in Computer Security Course)

- Classified phishing emails with 98% accuracy by training a machine learning random forest model
- Extracted 5 of the 11 total phishing characteristics from 8000+ HTML/plaintext emails

Digital Vinyl System | Python, Android, C, Verilog

- Built a digital vinyl system using a microcontroller (DE1-SOC) and a blank time-coded vinyl
- Embedded a VGA input and designed the audio equalizer, play/pause control and music information display
- Built music playlists for our Android app

Pique | Java, JS, HTML/CSS, Protobufs, JUnit

- Aggregated and displayed the top trending social media posts in real time by building the Reddit content collector
- Optimized mass data retrieval and storage using protocol buffers