RACHEL P. CHEN

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SKILLS

Languages : Swift, Java, C++, JavaScript (Node.js, Express.js), HTML & CSS, SQL
Tools : AWS, Git, Android Studio, Firebase, Bootstrap, Sketch, Amazon Alexa, Google App Engine

EXPERIENCE

Solutions Prototype Developer RED Lab (Manulife)   Kitchener, ON | Sep 2017 – Dec 2017
- Architected the first in-market account-linked Alexa insurance skill, "Manulife Benefits," using Node.js
- Developed a recruitment iOS app with Swift and Firebase, used by 100+ Manulife job applicants
- Implemented a PCF-hosted web server using Node.js and Express.js that communicated with internal REST APIs, and parsed JSON for group benefits data
- Designed responsive, web accessible login pages using HTML/CSS and JavaScript
- Conducted 10+ user interviews to refine "Manulife Benefits," improving its NPS score by 30%

System Support Officer Office of The Public Guardian and Trustee   Toronto, ON | Jan – Apr 2017
- Automated execution and parsing of monthly server scan reports using PowerShell
- Optimized database reporting tasks using SQL by denormalizing a database for the data warehouse

PROJECTS

Manulife SWIM Manulife Co-op Innovation Challenge   Kitchener, ON | Dec 2017
An iOS app that uses peer-to-peer lending to provide millennials affordable private health care
- Awarded 1st place for the most innovative idea by a panel of Manulife executives

Sensor 2048 ECE 155 Embedded Systems Term Project   Waterloo, ON | Aug 2017
An Android app that utilizes a phone's accelerometer to control block movement in a 2048-style game
- Constructed a finite state machine to predict gestures up to a 95% accuracy from raw sensor data

Good Taste StarterHacks   Waterloo, ON | Mar 2017
A social-networking, restaurant review web app that uses your friends to source recommendations
- Designed back-end using Google App Engine, Python, with an HTML/CSS, JavaScript front-end
- Documented restaurant locations using the Google Maps API and Google Places Library
- Awarded Mentors' Choice medal for the hack with the most potential out of 40 teams

EDUCATION

Candidate for Bachelor of Applied Science University of Waterloo   Sep 2016 - Present
Honours Computer Engineering, Expected Graduation in 2021
- Dean's Honours List: 2016-2017
- Extra-Curricular: Rewriting the Code Fellow, Peer Mentor