

RAYMOND KAM

4A COMPUTER ENGINEERING

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EXPERIENCE

- Connected Lab** Toronto, ON
Software Engineer (iOS) Sept 2016 - Present
 - Experimented with RedBearLab's Bluetooth Low Energy development board and wired in physical buttons onto a breadboard as input which can then trigger the playback of audio in the iOS prototype application
 - Experimented with Apple's Speech Recognition API to execute voice commands in the prototype application
 - Implemented 3D Touch feature into major clothing brand's shopping application, allowing for quick access into important
- Medallia** Palo Alto, CA
Software Engineer (iOS) Fall 2015
 - Redesigned app navigation to use "routes", based on the application's URL scheme where a series of navigations can be chained by embedding a route inside of another route; also providing support for deep-linking as a result
 - Implemented silent notifications which allows the app to receive push notifications that can be hidden from the user
 - Built an in-app notifications center for users to view their new and past notifications using Facebook's ComponentKit for the front-end; collaborated with another co-op who provided the API
 - Wrote unit tests for self-implemented classes and protocols to verify the behaviour of its methods
- Digiflare Inc.** Toronto, ON
Jr. Software Engineer (iOS) Winter 2015
 - Developed the front-end for several core features including the episode listing for a show, welcome, settings, and authentication screens on both the iPad and iPhone
 - Integrated FreeWheel MRM into the video player, allowing for the insertion and playback of ads in a video with ad click through
 - Explored iOS social sharing in other apps and implemented a solution where different social sharing implementations could easily be interchanged
 - Set up HipChat to keep all the co-ops connected; configured Hubot for HipChat and deployed on Heroku
- Metroland Digital Commerce** Toronto, ON
Software Developer (Android, iOS) Spring 2014
 - Implemented the front-end for several new features such as cash-back, account management, and search in the Save.ca mobile app for iOS and Android; completed development within specified timelines
 - Developed a module to support Android's SwipeRefreshLayout on Appcelerator Titanium; available on GitHub
 - Promoted higher project organization through JIRA ticket linking and the writing of clearer and more detailed commit messages in Git commits

SKILLS

- iOS Development
- Mobile UI/UX
- Languages:
Proficient: Objective-C, Java, JavaScript, PHP, SQL
Familiar: C++, Python, Web
- Frameworks: ReactiveCocoa, AFNetworking, ComponentKit

EDUCATION

University of Waterloo
Computer Engineering
Graduating in 2017

Relevant Courses:

Computational Intelligence, Programming for Performance, Cooperative and Adaptive Algorithms, Distributed Systems, Computer Security, Compilers, Operating Systems

SIDE PROJECTS

- Real Estate Project** Present
 - A tool to predict prices using machine learning
- Portfolio Website** May 2015
 - Designed and built a portfolio website to showcase previously completed projects and work experience; built using HTML and CSS
- RChat** August 2012
 - A tool that allows for group SMS through the use of Twitter's SMS notifications from direct messages
 - Developed a web application for users to manage their groups

PERSONAL

- Went on exchange to Nanyang Technological University in Singapore for Winter 2016
- Badminton and Ultimate Frisbee
- Reading the latest news on tech