

# RAYMOND KAM

## 4A COMPUTER ENGINEERING

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raymondkam

## 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