



Raymond Kam

3A Computer Engineering

 raymondkam.github.io

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 github.com/raymondkam

LANGUAGES AND TECHNOLOGIES

- Proficient: Objective-C (iOS), Java (Android), JavaScript, C#, PHP
- Beginner to intermediate: C++, C, HTML, CSS, Ruby, Sass
- Source control: Git, SVN, SourceTree
- Databases: MySQL, SQLite
- Frameworks: CocoaPods, Pixate Freestyle, Backbone.js, Underscore.js, Appcelerator Titanium, JQuery Mobile
- Others: Windows, OS X, Unix, XCode, Reveal, Photoshop, Eclipse, vim, Visual Studio, Android Studio, Heroku

WORK EXPERIENCE

Digiflare Inc, Toronto, ON

Winter 2015

Jr. Software Engineer – DiscoveryGO iOS Team

- 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 Monetization Rights Management 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

Spring 2014

Software Developer – Save.ca Mobile Team

- 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
- Designed and implemented the search functionality, allowing users to search across flyers, cash-back offers, and individual flyer products
- 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 commits

Fixmo Inc (Acquired by Good Technology), Toronto, ON

Fall 2013

Software Engineer – SafeZone Android Team

- Implemented a database stress test for the SQLCipher Library to improve the detection of corrupted databases
- Revamped the user interface across the application to give a more consistent user experience
- Restructured the settings menu to centralize all container application settings, greatly improving overall usability

Fixmo Inc, Toronto, ON

Winter 2013

Software Engineer in Testing

- Assessed several automated testing frameworks and provided recommendations based on their features and the company's requirements
- Developed automated testing scripts for the Android and iOS application using cucumber-calabash; created custom test cases written in Ruby to add on top of the existing framework
- Collaborated closely with the development team to identify and resolve bugs

Defy Entertainment, Toronto, ON

Summer 2012

Web Application Developer

- Developed a web application for users to manage groups on rChat, a tool that allows for group SMS through the use of Twitter's SMS notifications

- Implemented using jQuery Mobile for the front-end and PHP and MySQL for the back-end as well as utilizing the Twitter API for sending and receiving user messages; hosted on an Apache server
- Retrieved HTML data using cURL and parsed the data using PHP's DOM

EDUCATION

University of Waterloo, Waterloo, ON

Sept. 2012 to Present

Candidate for Bachelor of Applied Science in Computer Engineering

Undergraduate Courses: Compilers, Operating Systems and Systems Programming, Algorithms and Data Structures, Discrete Math, Digital Computers, Embedded Microprocessor Systems, Linear Algebra

SIDE PROJECTS

Portfolio Website (raymondkam.github.io)

May 2015

Personal Project

- Designed and built a portfolio website to showcase previously completed projects and work experience; built using HTML, CSS, and JavaScript

Timberman Clone

July 2014

Personal Project

- Developed a game based on the popular Timberman game using Appcelerator Titanium to experiment with the capabilities of Titanium

ACTIVITIES AND INTERESTS

Personal Activities and Interests

- Involved in several school clubs such as Badminton Club, Culinary Club, and UW Toastmasters
- Customizing desktop components and experimenting with overlocks to improve performance
- Creating and adding my own content into video games
- Singing and playing the guitar
- Playing ultimate Frisbee, badminton, tennis, and table tennis