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# Raymond Kam

2B Computer Engineering  
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## LANGUAGES AND TECHNOLOGIES

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

## WORK EXPERIENCE

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**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, and search in the Save.ca mobile app for iOS and Android; completed development within specified timelines
- Designed and implemented the search functionality, which allows users to search across flyers, cash-back offers, and individual flyer products
- Developed a module to add support for Android's SwipeRefreshLayout widget in Appcelerator Titanium, contributing to the community and to open source
- Promoted higher project organization through JIRA ticket linking and the writing of clearer and more detailed commit messages in commits

**Fixmo Inc**, 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 conversations using only 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

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**University of Waterloo**, Waterloo, ON

**Sept. 2012 to Present**

*Candidate for Bachelor of Applied Science in Computer Engineering*

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

## **SIDE PROJECTS**

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### **Timberman Clone**

**Spring 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**

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### **Badminton Club, Waterloo, ON**

**Sept. 2012 to Present**

- Attended weekly sessions to compete against other students in singles or doubles matches
- Improved badminton techniques, game strategy, and teamwork

#### **Personal Activities and Interests**

- Customizing desktop components and experimenting with overclocks 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