

Alykhan Kanji

Software Engineering • University of Waterloo

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Skills

- Strong initiative and passion for learning: independently studied C, Python, Java, and Objective-C
- Confident in leadership roles, attentive listener, fluent in English and French
- Languages: C, C++, Objective-C, Java, JavaScript, Python, Perl, HTML, CSS

Work Experience

Software Engineering – Sentinel/Safezone, Fixmo Inc.

Toronto, ON (January 2013 – April 2013)

- Implemented new features in Sentinel (using Java, Vaadin/GWT, MySQL/Hibernate) including:
 - Alerts section to display policy violations with archival and commenting functionality
 - Device enrollment emails with customization of templates and dynamic fields
 - Application Vault to display installed apps on enrolled devices, allow filtering/blacklisting
- Collaborated with Fixmo's Developer Team using agile scrum framework, git, svn, and ant

Software Engineering in Test, Fixmo Inc.

Toronto, ON (May 2012 – August 2012)

- Rewrote sections of Mobile Device Management Gateway test tool to use REST requests and SQL database queries
- Seconded to Software Development team to create test tool for License Manager
- Conducted performance/load testing of Mobile Connector via mock iOS/Android devices and presented to senior executives
- Extensively automated testing workflow with batch scripts

Student Lead for One-to-One Laptop Initiative, Upper Canada College (UCC) IT Dept.

Toronto, ON (2009 – 2011)

- Devised transition plan and organized logistics of laptop distribution with Director of IT
- Managed hardware inventory database and supervised distribution of 1,000 laptops
- Created and delivered training sessions to students and faculty
- Produced end user documentation, currently in use

Database Administrator, Greek Canadian Telephone Guide

Toronto, ON (March 2010)

- Rewrote hierarchies from Microsoft Access in FileMaker
- Implemented new database structures and print layouts
- Devised scripts to calculate advertising fees
- Creatively laid out information for a telephone book

Education

Candidate for Bachelor of Software Engineering

University of Waterloo (2011 – Present)

- Received an 89% average in most recent term
- Awarded a position on the Dean's Honours List

Personal Projects

iOS Developer

- Independently learning Objective-C using print and online resources
- Developed programmable, graphing, reverse polish notation calculator
- Creating several Open Data API based applications, to be released in App Store

University of Waterloo Menu (uwmenu.alykhan.com)

- Displays meals for the week at each on-campus eatery with locations & hours, formatted for mobile devices with jQuery Mobile
- Retrieves JSON data using Python from UW Open Data API
- Stores response in PostgreSQL database
- Parses and displays data via Flask with Jinja2 on Heroku

Infrared Experimentation

- Designed systems using infrared LED's and Wii Remotes for infrared camera-based touch screens and virtual reality head tracking
- Experimented with remote projector control via infrared adapters for smartphones

Co-Founder and Head of BluesTV, UCC

Toronto, ON (2007 – 2011)

- Implemented six-site digital signage system to display student videos/photography, announcements, and schedules
- Collected over \$8,000 while fundraising for new equipment

Head of Media/IT, World Affairs Conference UCC

Toronto, ON (2008 – 2011)

- Designed and developed websites using HTML, CSS, and JavaScript:
 - alykhan.com/WAC2011
 - alykhan.com/WAC2010