

# Alykhan Kanji

Software Engineering • University of Waterloo

[github.com/alykhank](https://github.com/alykhank) • [alykhan.com](http://alykhan.com) • [resume@alykhan.com](mailto:resume@alykhan.com)

## 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 – Present)**

- 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](http://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](http://alykhan.com/WAC2011)
  - [alykhan.com/WAC2010](http://alykhan.com/WAC2010)