

# Alykhan Kanji

Software Engineering · University of Waterloo  
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## Skills

- Python, Java, Swift, C, C++, Objective-C, HTML, CSS, JavaScript, MATLAB
- Frameworks: Flask, Django, Apache Thrift, Apache Hadoop, Apache Pig
- Strong initiative and passion for learning, confident in leadership roles, attentive listener

## Professional Experience

**Apple Inc.** — Software Engineering Intern, Siri Cupertino, Winter 2015

**Apple Inc.** — Software Engineering Intern, Siri Cupertino, Spring 2014

- Enhanced Intelligent Suggestions feature in iOS 8 Mail, shipping to 500M+ devices
- Refined pattern recognition and matching techniques for data extraction via Natural Language Processing
- Established continuous integration tool to measure precision & recall, perform automated regression testing

**TripAdvisor LLC** — Software Engineering Co-op, Hotels Boston, Fall 2013

- Shipped new features in collaboration with PMs and designers using Java, Apache Velocity, JavaScript
- Implemented perceptual diff tool in Python with PhantomJS and automated Selenium WebDriver testing
- Investigated potential XStream serialization improvements in a multi-threaded environment

**Fixmo Inc.** (acquired by [Good Technology](#)) — Software Engineering, Sentinel Toronto, Winter 2013

- Wrote new components for Sentinel, a Mobile Risk Management console, using Java, Vaadin, MySQL
- Created policy violation inbox, iOS/Android/BlackBerry application vault, enrollment email system
- Collaborated with development team using Agile Scrum framework, Git, Subversion, Ant

**Fixmo Inc.** (acquired by [Good Technology](#)) — Software Engineering in Test Toronto, Spring 2012

- Seconded to Software Development team to create tools for load testing a REST API
- Conducted performance testing of Android/iOS Connector, presented to senior executives
- Automated testing workflow with batch and SQL scripts, reduced weekly workload by several hours

## Projects

Linkbelt ([linkbelt.me](http://linkbelt.me), [appsto.re/i66D9DW](http://appsto.re/i66D9DW)) Fall 2013 – Present

- Collaborated on iOS app that shortens links using the [goo.gl](#), [bit.ly](#), and [TinyURL](#) APIs

University of Waterloo Menu ([uwmenu.com](http://uwmenu.com)) Winter 2012 – Present

- Constructed mobile web (Flask & jQuery Mobile) and iOS apps with meal info for on-campus eateries

Tunezout ([tunezout.com](http://tunezout.com)) Summer 2013 – Present

- Developed social music billboard using Python/Django backend, Twitter OAuth

## Extracurriculars

VP of Web Development, Nspire Innovation Network ([nspire.org](http://nspire.org)) Toronto, 2013 – 2014

- Managed team for rewrite of web presence using Ruby on Rails, Jekyll, ~2000 views/month

University of Waterloo Head Delegate, CUSEC ([2014.cusec.net](http://2014.cusec.net)) Montréal, 2013 – 2014

- Organized tickets, accommodations, and transportation from Waterloo to Montréal for 30 students

Hacker, Hack the North · HackMIT · BarCamp Boston · NYUHacks · LinkedIn Hackday

- Developed Open Data and crowdsourcing applications, finalist at LinkedIn Hackday ([alykhan.com/#portfolio](http://alykhan.com/#portfolio))

## Education

Candidate for Bachelor of Software Engineering University of Waterloo, 2011 – Present

- Term Dean's Honours List for both Engineering and Mathematics