

# IRVANJIT SINGH GILL

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  /irvanjitsingh

## EDUCATION

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**Bachelor of Applied Science**, Computer Engineering, University of Waterloo, Graduated Apr 2018

- Relevant Courses: Distributed Computing, Programming for Performance, Algorithm Design/Analysis, Networks

## EXPERIENCE

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**Lead Mobile Developer (volunteer)**, Gursevak.com, Brampton ON, May 2016 - Present

- Developing Android and iOS apps for a charity/NPO to improve performance and UX efficiency, fix regressions
- Managing a small team of developers and designers to rebrand digital presence across web and mobile
- Shipping updates to an active user base of ~50,000+ on iOS ([bit.ly/unlimios](https://bit.ly/unlimios)) and Android ([bit.ly/unlimdroid](https://bit.ly/unlimdroid))

**Engineering Services Intern**, Tesla Inc., Palo Alto CA, Sep 2017 - Dec 2017

- Implemented a load testing framework to improve performance of CAD-based internal vehicle design tools and software infrastructure used for Model 3 production
- Helped improve infrastructure performance to improve design cycle iterations for the vehicle and assembly line

**iPhone Operations Software Engineering Intern**, Apple Inc., Cupertino CA, Sep 2016 - Dec 2016

- Implemented client-side features for an internal iOS app to test manufacturing operator performance/efficiency
- Used Tableau to analyze and validate A/B test results and presented them to senior management
- Developed a Continuous Integration XCTest suite to automate user interface testing, improving release cycle efficiency

**Mobile Developer**, Clearbridge Mobile, Woodbridge ON, Jan 2016 - Apr 2016

- Worked with designers, product managers and clients to architect, develop and ship Rethink Tires for Android
- Contributed to multiple client projects including NBC ([bit.ly/nbctmdroid](https://bit.ly/nbctmdroid)) and TD's UGO Wallet ([bit.ly/ugodroid](https://bit.ly/ugodroid))

**Automation Engineering Intern**, Toast Inc., Cambridge MA, Jan 2015 - Apr 2015

- Developed a framework to automate integration testing for Toast POS on web and mobile with JUnit and Appium
- Contributed to the development of new features and regression fixes for the Android POS client and server

**Web Developer**, Vectorface, Ottawa ON, May 2014 - Aug 2014

- Developed an internal localization tool using AngularJS and Bootstrap used for game development
- Improved performance and UX, allowing faster development cycles

**iOS Developer**, Vitalhub Corp., Toronto ON, May 2013 - Aug 2013

- Implemented graph plotting for patient chart data and other client-side features for Vitalhub Chart iOS ([bit.ly/vitalhub](https://bit.ly/vitalhub))
- Redesigned the app's UI to make use of new Autolayout SDK capabilities to create dynamic and responsive views

## PROJECTS

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**Raag Notes for iOS**, [bit.ly/raagnotes](https://bit.ly/raagnotes), Github: [/raagnotes](https://github.com/irvanjit/raagnotes)

- iOS Swift app to create and reference musical notation sets for Indian Classical compositions and ragas (musical scales)

**Discover Gurbani for Android**, [bit.ly/dscvDroid](https://bit.ly/dscvDroid), Github: [/discovergurbani](https://github.com/irvanjit/discovergurbani)

- Android app to search the Sikh scriptures in multiple languages; built using Android Studio, Java and the GurbaniDB web API

**Quaterloo**, [quaterloo.herokuapp.com](https://quaterloo.herokuapp.com), Github: [/quaterloo](https://github.com/irvanjit/quaterloo)

- AngelHack 2012 Project: Q&A platform for University of Waterloo students; built using Django, socketio, jQuery, Foundation

## LANGUAGES, TECHNOLOGIES AND PLATFORMS

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- Python, Java, Objective-C, C++, C, C#, Swift, PHP, JavaScript, HTML, CSS, Sass
- Android, iOS, Django, Flask, AngularJS, MySQL, SQLite, Postgres, AWS, Linux/UNIX, Jenkins, JUnit, Selenium