

IRVANJIT SINGH GILL

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EDUCATION

BACHELOR of APPLIED SCIENCE, COMPUTER ENGINEERING, University of Waterloo, Graduated Apr 2018

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

EXPERIENCE

LEAD VOLUNTEER DEVELOPER, GURSEVAK.COM, Brampton ON, May 2016 - Present

- Developing iOS/Android apps for an educational charity/NPO to improve performance, UX efficiency, and 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) and Android (bit.ly/unlimdroid)

INFRASTRUCTURE ENGINEERING INTERN, TESLA INC., Palo Alto CA, Sep 2017 - Dec 2017

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

IPHONE OPERATIONS SOFTWARE ENGINEERING INTERN, APPLE INC., Cupertino CA, Sep 2016 - Dec 2016

- Developed experimental features for an internal iOS app to test manufacturing operator performance and accuracy
- 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 INC., 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) and TD UGO Wallet (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 by over 50% and created a significantly streamlined UX, for 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)
- Redesigned the app's UI to make use of new Autolayout SDK capabilities to create dynamic and responsive views

PROJECTS

RAAG NOTES for iOS, bit.ly/raagnotes, Github: [/raagnotes](https://github.com/irvanjit/raagnotes); Swift, Xcode

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

DISCOVER GURBANI for ANDROID, bit.ly/discovergurbani, Github: [/discovergurbani](https://github.com/irvanjit/discovergurbani); Java, Android Studio

- Android app to search the Sikh scriptures in multiple languages; queries and renders JSON data from the GurbaniDB API

QUATERLOO (WEB), bit.ly/quaterloo, Github: [/quaterloo](https://github.com/irvanjit/quaterloo); Python/Django, SocketIO, jQuery, Foundation, Heroku

- [AngelHack 2012] Q&A platform for University of Waterloo students; post questions/answers, chat with classmates in real-time

LANGUAGES, TECHNOLOGIES AND PLATFORMS

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