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

VOLUNTEER LEAD DEVELOPER, 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**) and Android (**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**) 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 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**)
- 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

- 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, Github: /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, Github: /quaterloo

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

LANGUAGES, TECHNOLOGIES AND PLATFORMS

- 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