











IRVANJIT SINGH GILL

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EXPERIENCE

- **KHALIS FOUNDATION** Remote | Dec 2017 - Present
- Part-time Developer (volunteer)
- Maintaining keertan.net, audio streaming platform (feature work, bug fixes)
- **GURSEVAK.COM** Remote | May 2016 - Present
- Part-time Developer (volunteer)
- Maintaining the charity's Android, iOS apps (app2.it/guios, goo.gl/gUgvJ6)
 - Rewriting for speed/UX improvements, implementing new features, bug fixes
- **TESLA** Palo Alto, CA | Sep 2017 - Dec 2017
- Intern - Engineering Services (Infrastructure)
- Implemented a load testing framework for CAD web tools (JMeter, Jenkins)
 - Improved functional test framework; automated test reporting/build processes
- **APPLE** Cupertino, CA | Aug 2016 - Dec 2016
- SWE Intern - iPhone Product Operations
- Implemented clientside features for an internal iOS app
 - Performed data mining using AB test results data (Tableau)
 - Developed a UI test suite with CI to automate functional iOS tests
- **CLEARBRIDGE MOBILE** Woodbridge, ON | Jan 2016 - Apr 2016
- Mobile Developer
- Architected, developed and shipped Rethink Tires Android (Play Store: bit.ly/rthDroid)
 - Implemented features for NBC Telemundo, UGO Wallet and Rethink Tires iOS
- **TOAST** Cambridge, MA | Jan 2015 - May 2015
- Automation Engineering Intern
- Developed a framework to automate integration testing for Toast POS on web and mobile (Java, JUnit, Selenium, Appium, Jenkins)
 - Implemented features, bug fixes for Android, web clients (Java Play)
- **VECTORFACE** Ottawa, ON | May 2014 - Aug 2014
- PHP Programmer
- Rewrote an internal localization web tool (AngularJS, Bootstrap)
 - Improved utility and UX significantly from existing functionality
- **VITALHUB** Toronto, ON | May 2013 - Aug 2013
- iOS Developer
- Implemented features, bug fixes for Vitalhub Chart iOS (bit.ly/vitalhub)
 - Refactored legacy UI implementations to use semantic view designs
- **BNOTIONS** Toronto, ON | Sep 2012 - Dec 2012
- Application Developer
- Implemented serverside features, APIs for client projects (Django)
 - Implemented backend for an internal team metrics dashboard (Flask)
- **IBM CANADA** Ottawa, ON | Jan 2012 - Apr 2012
- Software Development and Test Engineering
- Implemented bug fixes; conducted sanity, performance tests for a11y

LANGUAGES

Python, Java, Objective-C, C++, Swift, C#, PHP, JavaScript, HTML/CSS

English, Punjabi, some French

TECHNOLOGIES

Android, iOS, Django, Flask, Angular, Node, Meteor, Sass, Git, Mercurial, MySQL, SQLite, Postgres, Heroku, Puppet, Linux/UNIX, Thrift, Hadoop, Spark

PROJECTS

CAPSTONE/FYDP

Smart door/home locking and authentication system using facial recognition

DISCOVER GURBANI

Play Store: bit.ly/dscvDroid

Android app to search/read the Sikh scriptures in multiple languages

QUATERLOO

quaterloo.herokuapp.com

AngelhackTO Q&A/discussion platform for UW students (Django, Foundation, jQuery, socketio)

MANGO

Github: git.io/vHtjf

NFC server-synchronized Contacts sharing POC for Android (Django)

HARDWARE

irvanjit.com/old_projects/hardware

EDUCATION

UNIVERSITY OF WATERLOO Bachelor of Applied Science

 Honours Computer Engineering, Co-op

Graduating April 2018

Data Structures/Algorithms, OS, Compilers, DBs, Networks, Distributed Systems, Adaptive Algorithms, Algorithm Design, Programming for Performance