IRVANJIT SINGH GILL

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EXPERIENCE

KHALIS FOUNDATION
Remote | 12/2017 - Present

Part-time Developer (volunteer)
- Contributing to development for a suite of web and native Electron apps

GURSEVAK.COM
Remote | 05/2016 - 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 | 09/2017 - 12/2017

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 | 08/2016 - 12/2016

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 | 01/2016 - 04/2016

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 | 01/2015 - 05/2015

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 | 05/2014 - 08/2014

PHP Programmer
- Rewrote an internal localization web tool (AngularJS, Bootstrap)
- Improved utility and UX significantly from existing functionality

VITALHUB
Toronto, ON | 05/2013 - 08/2013

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 | 09/2012 - 12/2012

Application Developer
- Implemented serverside features, APIs for client projects (Django)
- Implemented backend for an internal team metrics dashboard (Flask)

IBM CANADA
Ottawa, ON | 01/2012 - 04/2012

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

Waterloo, ON | 09/2011 - 04/2018
Bachelor of Applied Science
Honours Computer Engineering, Co-op

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