

# IRVANJIT SINGH GILL

Waterloo Computer Engineering | > fullstack-web, mobile | 📱, 🎵, 🧠, 🏠, 🌐

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## 🔧 VOLUNTEER

**KHALIS FOUNDATION** | Volunteer Developer

Sacramento, CA (remote, part-time) |  
May 2016 - Present

- Contributor for a suite of **web** and desktop-Electron apps, and BaniDB **banidb.com** API

**GURSEVAK** | Lead Developer, Product Manager

Brampton, ON (remote) | May 2016 -  
Present

- Maintaining iOS/Android apps for education: 📱 **app2.it/guios**, ▶ **goo.gl/gUgvJ6**
- Rewriting for speed/UX improvements and implementing new features, bug fixes
- Managing a small team of developers and designers to rebrand the charity's digital footprint across web and mobile

## 🏢 EXPERIENCE

**TESLA** | Engineering Services Intern, Infrastructure

Palo Alto, CA | Sept - Dec 2017

- Implemented a load testing framework to improve performance of CAD vehicle design tools

**APPLE** | SWE Intern, iPhone Product Operations

Cupertino, CA | Sept - Dec 2016

- Implemented clientside features for an internal iOS app used to improve product quality and presented AB test results to senior management
- Developed a CI test suite to enable automated user interface testing for the Operations team

**CLEARBRIDGE MOBILE** | Mobile Developer

Woodbridge, ON | Jan - Apr 2016

- Architected, developed and shipped Rethink Tires Android: ▶ **bit.ly/rthDroid**
- Implemented clientside features for NBC Telemundo, UGO Wallet and Rethink Tires iOS

**TOAST** | Automation Engineering Intern

Cambridge, MA | Jan - Apr 2015

- Developed a framework to automate integration testing for Toast POS on web and mobile (Java, JUnit, Selenium, Appium, Jenkins)
- Implemented features and bug fixes for Android and web clients (Java Play)

**VECTORFACE** | PHP Programmer

Ottawa, ON | May - Aug 2014

- Rewrote an internal localization tool to improve utility/UX (AngularJS, Bootstrap)

**VITALHUB** | iOS Developer

Toronto, ON | Sept - Dec 2017

- Implemented features and bug fixes for Vitalhub Chart iOS: 📱 **bit.ly/vitalhub**
- Refactored legacy UI implementations to use semantic view design

**BNOTIONS** | Mobile Developer

Toronto, ON | Sep - Dec 2012

- Implemented serverside features and APIs for client projects (Django)
- Developed a backend for an internal team metrics dashboard (Flask)

**IBM** | Software Development and Test Engineering

Ottawa, ON | Jan - Apr 2012

- Implemented bug fixes and conducted sanity, performance testing for a11y

## 🔗 LANGUAGES

- Python, Java, Objective-C, C++, C, C#, Swift, PHP, JavaScript, HTML/CSS, Sass
- English, Punjabi, some French, Hindi

## 💻 TECHNOLOGIES

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

## 🎓 EDUCATION

### UNIVERSITY OF WATERLOO

Bachelor of Applied Science

**Honours Computer Engineering**

Waterloo, ON | Sep 2011 - Apr 2018

## 🔧 PROJECTS

### KNOCKER (CAPSTONE)

Smart door/home access system using facial recognition

### DISCOVER GURBANI

▶ **bit.ly/dscvDroid** 🌐 **git.io/vwdeF**

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

### QUATERLOO

📱 **quaterloo.herokuapp.com** 🌐 **/irvanjit/quaterloo**

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

### MANGO

🌐 **git.io/vHtjf**

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

### HARDWARE PROJECTS

📱 **irvanjit.com/old\_projects/hardware**