

# IRVANJIT SINGH GILL

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

hello@irvanjit.com

+1 (226) 989 2694

🌐 irvanjit | 📄 cv/irvanjit | 🌐 in/irvanjit

## 🔧 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](https://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](https://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

## 🤝 VOLUNTEER

**KHALIS FOUNDATION** | Developer, Partner

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

- Contributor for a suite of [web](#) and desktop-Electron apps, and [banidb.com](#) API

**GURSEVAK** | Lead Developer, Product Manager

Brampton, ON (remote) | May 2016 - Present

- Maintaining iOS/Android apps for education: 📄 [app2.it/guios](https://app2.it/guios), ▶ [goo.gl/gUgvJ6](https://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

## </> 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](https://bit.ly/dscvDroid) 🌐 [git.io/vwdeF](https://git.io/vwdeF)

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

**QUATERLOO**

🌐 [quaterloo.herokuapp.com](https://quaterloo.herokuapp.com) 🌐 [/irvanjit/quaterloo](#)

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

**MANGO**

🌐 [git.io/vHtjf](https://git.io/vHtjf)

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

**HARDWARE PROJECTS**

🌐 [irvanjit.com/old\\_projects/hardware](https://irvanjit.com/old_projects/hardware)