

# Richard Dang

3A Computer Engineering

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## SKILLS

**LANGUAGES** | C, C++, CSS, HTML, Java and JavaScript  
**TECHNOLOGIES** | Android Studio, IntelliJ, Git, Spring, Hibernate and SQL Server  
**CONCEPTS** | Agile, Continuous Integration, MVC, OOP, and REST API

## EXPERIENCE

Jan – Apr. 2018 **SOFTWARE ENGINEERING** | *Ultimate Software*

- ◇ Introduced numerous functionality to host web app used for managing thousands of Android, Linux, and web time clocks, maintained through **GWT**, **Spring** and **Hibernate**
- ◇ Created GDPR Cron job to purge soft-deleted employees by implementing schema constraints to maintain database integrity using **Liquibase**
- ◇ Incorporated features on time clock web app using **AngularJS** to allow supervisors to override employee check-ins

May – Sep. 2017 **SOFTWARE DEVELOPER** | *Hubdoc*

- ◇ Implemented an intranet dashboard with **ExpressJS** and **BackboneJS** used for proxy management
- ◇ Integrated webhook within web app for receiving updated user credential alerts through a **Slack** app
- ◇ Built and migrated hundreds of document fetching microservices from **PhantomJS** to **NightmareJS**, increasing reliability from **46%** to **73%**

Sep. – Dec. 2016 **ASSOCIATE QA ANALYST** | *Flipp*

- ◇ Introduced continuous integration across multiple projects providing early risk detection, feedback loops, and quick deployments utilizing **Jenkins**
- ◇ Developed automated system checks to enable back-end health monitoring across all platforms
- ◇ Created front-end regression test suites with **Selenium** and internal test development tools
- ◇ Automated performance testing to ensure response times for A/B test framework using **JMeter**

Jan. – Apr. 2016 **SOFTWARE TEST AND TOOLS DEVELOPER** | *GEO Semiconductor Inc.*

- ◇ Validated firmware integrity of over **20** camera sensors/platforms through **TestLink** and **JIRA**
- ◇ Reduced overall testing time by more than **50%** through automation of testing procedures
- ◇ Developed host tools for internal testing/development and designed regression test plans

## PROJECTS

Feb. 2018 - Present **FIND MY RESUME** | *Angular 4, Spring Boot and Heroku*

- ◇ Web app that hosts a collection of uploaded resumes which users can be preview, edit and download
- ◇ Demo: [www.findmyresu.me](http://www.findmyresu.me)

Jul. - Aug. 2017 **ATOM LEETCODE** | *ES6 JavaScript, Node.js, Travis CI and Jasmine*

- ◇ Atom package that extracts coding challenges and solutions from Leetcode into the Atom text editor

Nov. 2016 **ALEXA BUDDY** | *Python, Flask-Ask, Indico API and Reddit API*

- ◇ Amazon Alexa app that responds with Reddit posts while filtering out negative sentiment
- ◇ Won **Best Hack Against Online Harassment** at Electric City Hacks

May – Jul. 2016 **STEP TRACKER** | *Java and Android Studio*

- ◇ Android app that utilizes device sensors and finite state machines to track steps and detect direction

## EDUCATION

2015 - 2020 **COMPUTER ENGINEERING** | *University of Waterloo*

- ◇ Candidate for Bachelor of Applied Science Degree in Computer Engineering
- ◇ Received President's Scholarship for **90-95%** entrance average