

# Richard Dang

2B Computer Engineering

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## SKILLS

**LANGUAGES** | C/C++, CSS, HTML, Java, JavaScript, Python and Ruby  
**TECHNOLOGIES** | Android Studio, Git, Heroku, Ruby on Rails, and SQL  
**CONCEPTS** | Agile, Continuous Integration, MVC, OOP, and REST API

## EXPERIENCES

- May – Sep. 2017 **SOFTWARE DEVELOPER** | Hubdoc
- ◇ Built and maintained hundreds of microservices using **Node** and **jQuery** that enables the automation of financial document collection
  - ◇ Designed and implemented a dynamic intranet dashboard with **Express**, **Backbone** and **PostgreSQL** that allows for efficient robot proxy management
  - ◇ Migrated document fetching scripts from **PhantomJS** to **NightmareJS**, increasing reliability from **46%** to **73%**
- Sep. – Dec. 2016 **ASSOCIATE QA ANALYST** | Flipp
- ◇ Set up continuous integration across multiple projects providing early risk detection, feedback loops, and quick deployments utilizing **Jenkins**
  - ◇ Developed automated system checks that allows for backend health monitoring across all platforms
  - ◇ Created frontend regression suites with **Selenium** and test development tools through integration of **TestRail API**
  - ◇ 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 testing time by over **50%** through automation of testing procedures
  - ◇ Developed host tools for internal testing/development and designed regression test plans

## PROJECTS

- Jul. 2017 - Present **ATOM LEETCODE** | Atom Package
- ◇ Made an **Atom** package that extracts questions and solutions from Leetcode into the text editor with difficulty and language selection; project setup with **Travis CI** and **Jasmine** specs
- Nov. 2016 **ALEXA BUDDY** | Amazon Echo
- ◇ Created an **Alexa** app that responds with Reddit posts while filtering out posts containing negative sentiment; won "Best Hack Against Online Harassment"
- May – Jul. 2016 **STEP TRACKER** | Android App
- ◇ Developed an **Android** application that utilizes device sensors and finite state machines to track steps and detect direction

## EDUCATION

- 2015 - Present **COMPUTER ENGINEERING** | University of Waterloo
- ◇ Candidate for Bachelor of Applied Science Degree in Computer Engineering
  - ◇ Received President's Scholarship for **90-95%** entrance average