

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

EXPERIENCE

May – Sep. 2017 **SOFTWARE DEVELOPER** | Hubdoc
◇ Designed and implemented a dynamic intranet dashboard with **Express**, **Backbone** and **PostgreSQL** which allows for efficient proxy management
◇ Integrated webhook notifications within web application 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 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 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

Jul. 2017 - Present **ATOM LEETCODE** | ES6 JavaScript, Node.js, Travis CI and Jasmine
◇ Made an **Atom** package that extracts questions and solutions from Leetcode into the text editor with difficulty and language selection

Nov. 2016 **ALEXA BUDDY** | Python, Flask-Ask, Indico API and Reddit API
◇ Created an **Amazon 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** | Java, Android Studio and XML
◇ Developed an **Android** application 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