

Richard Dang

2B Computer Engineering

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SKILLS

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

EXPERIENCES

- May – Sep. 2017 **SOFTWARE DEVELOPER** | Hubdoc
- Designed and implemented a dynamic intranet dashboard with **ExpressJS**, **BackboneJS** and **PostgreSQL** that allows for efficient robot proxy management
 - Built and maintained hundreds of microservices using **NodeJS** and **jQuery** that enables the automation of financial document collection
 - 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 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 from Leetcode into the text editor with difficulty and language selection
- 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