Richard Dang

2B Computer Engineering

+1 (647) 717-0339 | ✉ r22dang@uwaterloo.ca | 🔗 dangrichard | ⌨ Richard-Dang | 🔍 richarddang.com

🎛 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 reliabilty 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 and solutions 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