

Richard Dang

4A Computer Engineering

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SKILLS

LANGUAGES | C++, CSS, HTML, SQL, Java, JavaScript and Scala
TECHNOLOGIES | IntelliJ, Git, Maven, Spring, Hibernate, Docker and Hortonworks Big Data Platform
CONCEPTS | Agile, CI/CD, MVC, OOP, Functional Programming, REST API and Distributed Computing

EXPERIENCE

Sept – Dec. 2018 **BIG DATA ENGINEERING** | *Ultimate Software – Weston, FL*
♦ Developed **Spark** apps for event ingestion and GDPR which processes over **600 events/sec**
♦ Built a **Spark streaming** app for processing and replaying events with **Kafka** integration
♦ Setup **Hadoop** on a **Docker** environment for automated integration testing through **Concourse**
♦ Integrated metrics instrumentation using **AOP** allowing for greater insights on app performance

Jan – Apr. 2018 **SOFTWARE ENGINEERING** | *Ultimate Software – Toronto, ON*
♦ Introduced functionality to host web app used for managing thousands of Android, Linux, and web time clocks, maintained through **GWT**, **Spring** and **Hibernate**
♦ Created GDPR app to purge deleted employees by implementing schema constraints to maintain database integrity using **Liquibase**
♦ Incorporated features on web time clock app using **AngularJS** to allow supervisors to override employee check-ins

May – Sep. 2017 **SOFTWARE DEVELOPER** | *Hubdoc – Toronto, ON*
♦ Built and migrated hundreds of document fetching microservices from **PhantomJS** to **NightmareJS**, increasing reliability from **46%** to **73%**
♦ Implemented an intranet dashboard with **ExpressJS** and **BackboneJS** used for proxy management
♦ Integrated webhook within web app for receiving updated user credential alerts

Sep. – Dec. 2016 **ASSOCIATE QA ANALYST** | *Flipp – Toronto, ON*
♦ 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
♦ Automated performance testing to ensure response times for A/B test framework using **JMeter**

Jan. – Apr. 2016 **SOFTWARE TEST AND TOOLS DEVELOPER** | *GEO Semiconductor – Toronto, ON*
♦ Reduced overall testing time by more than **80%** through automation of testing procedures
♦ Developed host tools for internal testing/development and designed regression test plans

PROJECTS

Feb. – May 2018 **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

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
♦ Currently studying Distributed Computing and Computer Security