

Richard Dang

4A Computer Engineering

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SKILLS

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

EXPERIENCE

- Sep. – **BIG DATA ENGINEERING** | Ultimate Software — Weston, FL
Dec. 2018
- ◇ 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. – **SOFTWARE ENGINEERING** | Ultimate Software — Toronto, ON
Apr. 2018
- ◇ 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 – **SOFTWARE DEVELOPER** | Hubdoc — Toronto, ON
Sep. 2017
- ◇ 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. – **ASSOCIATE QA ANALYST** | Flipp — Toronto, ON
Dec. 2016
- ◇ 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**

★ PROJECTS

- Feb. – **FIND MY RESUME** | Angular 4, Spring Boot and Heroku
May 2018
- ◇ Web app that hosts a collection of resumes which users can preview, edit and download
- Jul. – **ATOM LEETCODE** | ES6 JavaScript, Node.js, Travis CI and Jasmine
Aug. 2017
- ◇ Atom package that extracts coding challenges and solutions from Leetcode into 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 – **STEP TRACKER** | Java and Android Studio
Jul. 2016
- ◇ Android app that utilizes device sensors and finite state machines to track steps and detect direction

EDUCATION

- 2015 – **COMPUTER ENGINEERING (BACHELOR OF APPLIED SCIENCE)** | University of Waterloo
2020
(expected)
- ◇ Distributed Computing, Data Structures and Algorithms, Database Systems, Computer Networks, Computer Security, Operating Systems, and Compilers