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. – 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**

PROJECTS

Feb. - May 2018

FIND MY RESUME | *Angular 4, Spring Boot and Heroku*
- ◇ Web app that hosts a collection of 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 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 - Apr. 2020 (expected)

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