Michael Du

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Email is preferred due to scam phone calls and time zone difference

Skill

Languages:	Python, Java, C/C++, SQL, JavaScript, HTML/CSS
Frameworks:	Hadoop, Robot, React
Tools:	Git, Bash, MySQL, MongoDB, Docker, Jenkins, Jira

Education

University of Waterloo Waterloo, ON   Sept 2017 -
BMath, Data Science, Honours Co-op
Coursework: DBMS, Algorithm, Data Struct, OOP, Statistical Model

Work Experience

Trustwave Waterloo, ON   Jan 2020 - Apr 2020
Software Developer Quality Assurance Analyst
- Developed automation tests for SIEM-NG machine learning models (Robot Framework)
- Worked with developers to verify the dataflow and functionality of new machine learning models (Weka and TensorFlow)
- Joined SIEM-NG release process and was responsible for machine learning related issue scrubbing (Python)
- Implemented new methods to reduce the coupling of existed tests
- Reported and tested issue for Apache Hadoop (Hive), MariaDB and MySQL
- Cooperated with Threat Stack team to work on Docker container and Kubernetes

Oracle NetSuite Kitchener, ON   May 2019 - Aug 2019
Software Engineer in Test
- Refactored SuiteScript test bases to Spruce Framework test bases (Java, Kotlin)
- Implemented and edited methods to simplify test setup
- Authored several confluence pages as process instructions
- Kept track of issue status and sent notifications to the team daily

Nissan Canada Inc. Mississauga, ON   Sept 2018 - Dec 2018
Data Analyst
- Created inventory and allocation reports to share with employees and dealers (Excel VBA)
- Updated existed SQL queries to help automate data pulling process
- Worked with different departments to identify key business requirements and prioritize tasks
- Developed interactive dashboards by utilizing Dynamic Charting and PivotTable

Projects

Weather APP ⊙ - Node.js
A weather application that interacts with the MapBox and Weather Stack APIs

Medal APP - React Native, Node.js, MongoDB
- Gamified the process of setting and checking personal goal/task
- Encouraged users to finish goals/tasks by gaining thophies and exchange them into our dedicated disigned medals
- Developed by a team of 5. Still in progress, will be released at the end of 2020.

Awards

University of Waterloo Waterloo, ON   Sept 2017
President's Scholarship of Distinction
- Admission average 95% or higher

University of Waterloo Waterloo, ON   May 2017
Sir Isaac Newton Exam
- 95th out of 2000 test attenders