Jingwei Li

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EDUCATION

University of Illinois at Urbana-Champaign, Illinois, IL   Aug 2019

Master of Computer Science in Data Science, GPA: 3.9/4.0

University of Toronto, Toronto, ON   Aug 2018

Bachelor of Science (Computer Science and Actuarial Science), GPA: 4.0/4.0. Actuaries Exam FM, P passed.

WORK EXPERIENCE

Performance Engineer, **Cohesity,** Mississauga, Canada   Sep 2019 – Present
- Built up automation pipeline for registering Virtual Center source, executing protection jobs, cloning Virtual Machines, configuring SpecSFS test using Golang and VanillaGinkgo.
- Measured bridge performance by vdbench and fio testcases daily automation with analytics.
- Monitored software performance with data collection, curation and visualization generated from SpecSFS test.

Data Scientist, **Alibaba Cloud,** Hangzhou, China   May 2019 – Aug 2019
- Built data ETL pipeline to predict future remaining parking space for intelligent parking management system via Graph Convolutional Network in MaxCompute/ODPS.
- Developed a real-time analytical toolset for device error prediction with stream data of various physical models from IoT service, using big data computing and warehousing service on Alibaba Cloud Platform.
- Detected anomaly IoT product data with respect to customer's requirements. Implement correlation analysis between property data and event data of IoT devices using Python, Apache Flink, PostgreSQL.

Java Software Developer, **Ministry of Education,** North York, ON   Sep 2017 – Aug 2018
- CRUDed data information from SQL databases. Implemented application screening functions in Spring framework and optimized OSAP administrator service using Java, JavaScript, XML and Jython.
- Deployed scheduled builds using SVN, Hudson, WinSCP and Jira tickets in Agile work environment.
- Maintained financial payment server using Java, Spring Boot and MySQL.
- Implemented updated functions with queries, transformation, analysis of real-time data with noise.
- Configured Docker VM to generate Asterisk service with Git and Linux command.

Jr. Data Analyst, **IESO,** Oakville, ON   May 2017 – Aug 2017
- Performed data ETL and analyzed data from multiple sources and types in Hyperion, Tableau, and VBA.
- Conducted anomaly detection in electricity supply data and root cause analysis based on logs and market research; presented weekly across teams.

CERTIFICATES

- **Big Data and Social Analytics**-MIT, Cambridge, MA   July 2016 – Oct 2016
- **Exam FM, P**-Society of Actuaries   6 April, 20 May 2017
- **Base, Advanced SAS Programming**-SAS Global Certification   14 May, 8 June 2017

RESEARCH EXPERIENCE

Grammatical Error Correction, UIUC, Champaign, IL   Sep 2018 – Dec 2018
- Developed word tokenizer and implemented convolutional seq2seq model using transfer in PyTorch.
- Constructed an enhanced interactive model with RESTful API and Web GUI on Azure.

SKILLS

- **Big Data:** PySpark, Scala, MySQL, Tableau, PyTorch, Sklearn, TensorFlow
- **Programming:** Java(4 yrs), MySQL(4 yrs), Python(3 yrs), R(3 yrs), JavaScript(3 yrs), HTML&CSS, MatLab
- **Framework:** ReactJS, NodeJS, AngularJS, BootStrap, Express, Spring, MyBatis, Django, MongoDB