

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

Data Engineer Intern, Alibaba Cloud, Hangzhou, China May 2019 – Aug 2019

- Build data ETL pipeline for intelligent parking management system via Graph Convolutional Network.
- Develop 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.

Software Developer, Solar Panda, Toronto, ON Mar 2019 – Apr 2019

- Deployed updates and maintained financial payment server using Java, Spring Boot and MySQL.
- Queried, transformed, analyzed real-time data with noise in MySQL.
- Configured Docker VM to generate Asterisk service with Git and linux command.

Jr. Software Developer, Ministry of Education, North York, ON May 2018 – Dec 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.

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.

PROJECTS

Full-Stack Web Development with React, HKUST Jan 2019 - May 2019

- Developed the architecture in NodeJS environment and Express framework with TypeScript.
- Created NoSQL databases using MongoDB and communicated to client side through a RESTful API.

Hadoop Platform and Application Framework, UCSD, San Diego, CA Nov 2018 – Feb 2019

- Wrangled and processed big data with Hadoop streaming commands on Cloudera platform.
- Analyzed quantitatively ABC TV Shows dataset by join using MapReduce framework in Python.
- Generated TV channel viewers value with data curation, cleaning, collection and ETL in PySpark console.

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.

Student System Web Development, Athabasca University, Athabasca, AB July 2018 – Sep 2018

- Constructed a web-based tutorial application and online quiz system by HTML, CSS and JavaScript.
- Built slideshow web application to display photos in various modes using Canvas and JSON data.

Mini-LinkedIn Web Application, Projek, Futurera, Toronto, ON Apr 2018 – May 2018

- Designed the workflow of core features including sign-up, sign-in, and sign-out. Implemented UI of core features with Html5, ReactJS and React redux and business logics using NodeJS and MySQL.

SKILLS

Programming: Java, Python, JavaScript, HTML&CSS, MySQL, R, MatLab, SAS (Advanced Certificate)
Frameworks: BootStrap, AngularJS, NodeJS, ReactJS, Express, Spring, MyBatis, MongoDB
Big Data: PySpark, Scala, MySQL, Tableau, PyTorch, sklearn, TensorFlow