

Jingwei Li

github.com/cqlijingwei

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SKILLS

Data Tools	PySpark, Scala, Tableau, Anaconda, PyTorch, Scikit-learn, TensorFlow
Programming	MySQL(4 yrs), Python(3 yrs), R(3 yrs), Matlab(2 yrs), Java, Java
Operating Systems	Windows(15 yrs), Mac OS(7 yrs) and Linux(5 yrs) with shell script

EDUCATION

Online Master of Computer Science in Data Science	In Progress
University of Illinois at Urbana-Champaign, Illinois, IL	cGPA: 3.83/4.00
Bachelor of Science (Double Major in Computer Science and Actuarial Science)	Aug 2018
University of Toronto, Toronto, ON	cGPA: 4.00/4.00

WORK EXPERIENCE

Jr Full-Stack Developer -Ministry of Education, North York, ON	May 2018 – Dec 2018
<ul style="list-style-type: none">• CRUD data information from databases in Oracle SQL Developer.• Documented deployments using SVN, Hudson, WinSCP and Jira tickets in Agile work environment.• Delivered new functions for on-going development of front and backend functions in Spring framework.• Optimized OSAP administrator service using Java, JavaScript, XML and Jython in Eclipse.	
Jr Data Analyst -IESO, Oakville, ON	May 2017 – Aug 2017
<ul style="list-style-type: none">• Performed ETL jobs from multiple data sources in Hyperion, Tableau and Excel.• Arranged and analyzed various data resources regarding to electricity market using VBA.• Delivered weekly presentation to colleagues and supervisor about past week abnormal issues.• Produced documentation about abnormal events which electricity generators reported.	

CERTIFICATES

Big Data and Social Analytics -MIT, Cambridge, MA	July – October 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
<ul style="list-style-type: none">• Implemented GEC model with evaluation method of loss function, fluency score and GLEU score.• Built CNN seq2seq model using deep learning NLP toolkit PyTorch and fairseq.• Constructed an enhanced interactive model with RESTful API and Web GUI on Azure cloud server.	

Researcher -University of Toronto, Toronto, ON	Nov 2017 – May 2018
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Machine Learning to Predict Economic Indicators Using Mobile-Phone Data

- Researched about application of call data to social-economic proxy for individual's daily trajectory.
- Optimized selected models by reparameterization to train dataset.
- Matched the expected regression model with the specific dataset by generating actual output with data tools in comparison with expected results.
- Mined dataset value by attempting various models.