Tianxin Li

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EDUCATION

Aug. 2019 | Bachelor of Computer Science, **University of Waterloo**
Bachelor of Business Administration, Finance Option, **Wilfrid Laurier University**
Jul. 2019 | Deep Learning Specialization (5-Courses) by **DepLearning.ai x Coursera**
Feb. 2018 | Python for Data Science by **UCSD x EdX**

SKILLS AND TECHNOLOGIES

Language	Python · C++ · C · Scheme · Java · Scala · SQL · JavaScript
Data Analysis	Keras · Tensorflow · scikit-learn · OpenCV · PyTorch · Pandas · NumPy
Database and Automation	Hive · Spark · PostgreSQL · MySQL · Firebase · Git · Bash · Neo4j · Ansible
Web and Visualization	Django · AngularJS · NodeJS · Express · Ionic · D3 · Sketch · Tableau

WORK EXPERIENCE

Synapse Technology Corporation   **Palo Alto**
Computer Vision and Deep Learning Engineering Intern   Sep. 2018 – Dec. 2018
- Designed and implemented real-time algorithms for image segmentation and anomaly detection using OpenCV, increased segmentation success rate by 40%
- Built client-server GPUs orchestration simulator with statistical models and Tornado, simulated ~1000 portals on laptop; Presented analytical insights and visualization
- Optimized inference model with TensorRT and tf-XLA, reduced prediction latency by 25%
- Integrated multi-GPUs server architecture for ensemble prediction, researched on model encryption

Scotiabank · Data Science and Analytics Lab   **Toronto**
Data Science and Engineering Intern   Jan. 2018 – Apr. 2018
- Re-architected graph data pipeline using Hive and pySpark and designed Neo4j graph data model, increased initial import speed by 8 times, accelerated feature extraction by 50%
- Built web app visualizing trade data using Tableau dashboards, Django, leaflet and D3
- Optimized Postgres search indexing, fuzzy search, reduced latency by 25%

CGI Group Inc.   **Markham**
DevOps Intern   Jan. 2017 – Apr. 2017
- Automated continuous integration processes using JIRA, Bamboo, Bash, Python and Ansible scripts
- Initiated DevOps webpage that reduced turnaround time by 20%, tested Docker Swarm mode
- Side project: built progressive web app with offline mode, push notification, dynamic caching

Deloitte · DSpace Innovation Lab   **Waterloo**
Full-stack Product Prototyper   Jan. 2016 – Apr. 2016
- Implemented data-driven agile assessment dashboard and mobile web app using Express, Angular, socket.io and Ionic
- Prototyped a Slack chatbot for interactive survey scheduling using BotKit
- Juggled between UI/UX designer, app architect and full-stack developer, delivered biweekly demos

PROJECTS

Stock Predictor
- Predicting stock market movement with regression, recurrent neural networks, NLP
- Literature review on application of deep learning in stock trading