PARSA TORABIAN

Data Scientist/Developer

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WORK EXPERIENCE

Consultant – Red Oak Technologies
May 2020 – Ongoing (PT)

- Recruiting, training, and supervising intern program
- Project management, spec gathering, validation of web-tools

Data Scientist – Capital One Canada
Sept – Dec 2019 (FT), May – August 2020 (PT)

- Building horizontal tooling for GBM/GLM models

Data Scientist – IBM
Jan – Apr 2019 (Toronto)

- Built and tuned NLP models for financial regulations
- Helped deploy Hadoop and Kubernetes environments

Junior Data Scientist – Intelligent Mechatronic Systems
May – Aug 2018 (Toronto)

- Designed a distributed data processing pipeline using Apache Airflow, Hadoop, Redis, and MongoDB
- Deployed and optimized Java applications processing billions of rows of information

Software Developer – Bombardier Aerospace
Sept – Dec 2017 (Toronto)

- Designed and implemented a data pipeline for aggregating and loading aircraft report metadata
- Sped up web application load-up times by up to 1400%

Software Developer – Sunnybrook Hospital
Jan – Apr 2017 (Toronto)

- Redesigned and rebuilt a fully responsive, web-based medical image viewer suitable for clinical testing

Software Developer – Holmusk
May – Aug 2016 (Singapore)

- Designed and implemented a NodeJS chatbot and accompanying iOS app from scratch

iOS Developer – Glocalspace Inc
May – Dec 2015 (Toronto)

- Used Swift/Objective-C to maintain a commercial point-of-sale app; worked primarily on data consistency and integrity

STRENGTHS

- C++, Java, Scala
- Python: PyTorch, Dask, Sklearn, Statsmodels, PySpark
- Computer Vision, Meta-Learning
- Signal Processing, Time Series Modelling
- Hadoop, Spark
- MySQL, Postgres, Redis, MongoDB
- Docker, Kubernetes
- Linux/Systems Programming

EDUCATION

University of Waterloo
Electrical Engineering, B.AS
Jan 2016 – Apr 2020

Systems Design Engineering, M.Sc
Center for Theoretical Neuroscience
with Dr. Byran Tripp
Sept 2020 – May 2022 (expected)

RESEARCH

Meta-Learning
Vector Institute, Jan-Aug 2020

- Work shared at NeurIPS 2020 in Medical Imaging Meets workshop

Computer Vision
University of Waterloo, Spring 2020

- Evaluated the effects of a variety of sampling techniques on ImageNet classification, notably a biologically parameterized polar down-sample