

PARSA TORABIAN

People, Data, Systems – Lead Data Scientist

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WORK EXPERIENCE

Lead Data Scientist – GivingTuesday

Sept 2021 – Ongoing (Remote, FT)

- Leading a team of 5 across a large variety of projects
- Highlights : [FEP-report](#), [2021 Lookback Report](#)

Software Consultant – Red Oak Technologies

May 2020 – Ongoing (Toronto, PT)

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

Data Scientist – Capital One

Sept – Dec 2019 (FT), May – August 2020 (PT)

- Built horizontal tooling for GBM/GLM models

Data Scientist – IBM

Jan – Apr 2019 (Toronto, FT)

- Developed cloud NLP tools for financial regulations
- Helped deploy Hadoop and Kubernetes environments

Junior Data Scientist – Intelligent Mechatronic Systems

May – Aug 2018 (Toronto, FT)

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

Software Developer – Bombardier Aerospace

Sept – Dec 2017 (Toronto, FT)

- Designed and implemented a data pipeline for aggregating and loading aircraft report metadata

Software Developer – Sunnybrook Hospital

Jan – Apr 2017 (Toronto, FT)

- Built fully responsive, web-based medical image viewer

Software Developer – Holmusk

May – Aug 2016 (Singapore, FT)

- Created a NodeJS chatbot from scratch

iOS Developer – Glocalspace Inc

May – Dec 2015 (Toronto)

- Objective-C developer on a commercial sales app

KEY STRENGTHS

- Two years **leadership experience**
- Python expertise**
- Programming Maturity:** Ex, C++, Java, Scala
- Analysis:** Simple/Complex Regressions, Tree-models, Signal Processing, Time Series Analysis, Computer Vision, Meta-Learning
- Data Manipulation:** Big data, longitudinal data, survey data, biological data, 3D spatial data, high frequency data

EDUCATION

University of Waterloo

Electrical Engineering, **BASc**

Jan 2016 – Apr 2020

Systems Design Engineering, **MASc**
Center for Theoretical Neuroscience
with Dr. Bryan Tripp
Sept 2020 – Sept 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, 2020-2022

- Analysis of visual statistics and their effects on representational similarity between biological cortex in a contrastive learning environment