Parsa Torabian

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About

Neuro-AI masters student supervised by Dr. Bryan Tripp at the University of Waterloo's Center for Theoretical Neuroscience. Interested in meta-learning, few-shot learning, online learning, and brain-inspired ML. Ongoing projects involve saccade mechanisms of vision, continual learning, and reinforcement-learning in naturalistic environments.

Education

University of Waterloo — Waterloo, CA
Masters of Applied Science in Systems Design Engineering — *2020 – 2022 (expected)*

University of Waterloo — Waterloo, CA
Bachelor of Applied Science in Electrical Engineering — *2016 – 2020*

Research Experience

Medical Imaging Meets NeurIPS Workshop @ NeurIPS 2020
Multi-Label Incremental Few-Shot Learning for Medical Image Pathology Classifiers
- Laleh Kalantari, Karsten Roth, Mengye Ren, Parsa Torabian, Joseph Cohen, Marzyeh Ghassemi

Poster @ NAISys 2020
Simulated environment for naturalistic mouse models
- Yinghan Chen, Parsa Torabian, John Mielke, Graham Taylor, Bryan Tripp

In-Submission @ CVIS 2020
Comparison of Foveated Downsampling Techniques in Image Recognition
- Parsa Torabian, Ronak Pradeep, Jeff Orchard, Bryan Tripp

Work Experience

Consultant — May 2020 – Present
Red Oak Technologies — *Toronto, Canada*

Research Intern — Feb 2020 – Aug 2020
Vector Institute — *Toronto, Canada*

Data Scientist — Sept – Dec 2019 (FT), May – Aug 2020 (PT)
Capital One — *Toronto, Canada*

Data Scientist — Jan – Apr 2019
IBM — *Toronto, Canada*

Junior Data Scientist — May – Aug 2018
Intelligent Mechatronic Systems — *Toronto, Canada*

Software Developer — Sept – Dec 2017
Bombardier Aerospace — *Toronto, Canada*

Software Developer — Jan – Apr 2017
Sunnybrook Research Institute — *Toronto, Canada*

Software Developer — May – Aug 2016
Holmusk — *Singapore, Singapore*

iOS Developer — May – Dec 2015
Glocalspace Inc — *Toronto, Canada*

Technical Skills

Languages: Python, Java, Scala, C/C++, SQL
Frameworks: PyTorch, PySpark, Sklearn, Numba, Pandas, Django
Systems: Hadoop, Spark, Redis, Kafka, Docker, Azure, Heroku