

Daniel Eftekhari
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May 2025

Education

2024 – Present

Doctor of Philosophy (PhD) in Computer Science

Department of Computer Science, University of Toronto

2022 – 2023

Master of Science (MSc) in Computer Science

Department of Computer Science, University of Toronto

2016 – 2018

Master of Applied Science (MAsc) in Biomedical Engineering

Faculty of Applied Science & Engineering, University of Toronto

2012 – 2016

Bachelor of Applied Science in Engineering Science (BASc in EngSci), with Honours

Division of Engineering Science, University of Toronto

Publications

- **ICML 2025: On the Importance of Gaussianizing Representations**

Daniel Eftekhari, Vardan Papyan

[Paper](#) | [Code](#) | [bibtex](#)

Work Experience

September 2021 – May 2022

Deep Learning Engineer, Untether AI

June 2018 – September 2021

Machine Learning Engineer, 16 Bit

Teaching

Teaching Assistant, University of Toronto

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|----------------------------------------------------------------|------|
| • Probabilistic Learning and Reasoning (CSC412/CSC2506) | 2024 |
| • Statistical Methods for Machine Learning II (STA414/STA2104) | 2023 |
| • Statistical Methods for Machine Learning I (STA314) | 2022 |
| • Engineering Mathematics & Computation (ESC103) | 2017 |
| • Engineering and Society (ESC203) | 2016 |

Awards & Distinctions

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|-------------------------------------------------------------------|------|
| • \$15,000 Graduate Scholarship in Science & Technology | 2024 |
| • \$17,500 Canada Graduate Scholarship (CGS) M NSERC | 2023 |
| • \$15,000 Ontario Graduate Scholarship | 2017 |
| • \$7,000 Sunnybrook Brain Sciences Program Summer Research Award | 2014 |
| • \$5,000 University of Toronto Scholar | 2012 |

Highlighted Graduate Courses

- A Topics in Machine Learning: Generative AI for Images (CSC2541) 2024
- A+ Multiuser Information Theory (ECE1508) 2024
- A Algorithms for Private Data Analysis (CSC2412) 2023
- A Information Theory (ECE1502) 2022

Theses

- A Machine Learning Approach to Distinguishing between Multiple Sclerosis and Cerebral Small Vessel Disease [Thesis](#) 2018

Patents

- Systems and methods for approximating bone mineral density and fracture risk using single energy x-rays [Patent](#) 2020

International Machine Learning Competitions

- RSNA Pneumonia Detection Kaggle Competition 2018
Role: First Author; Place: 4th/1499. [Report](#)

Review

- Conference on Bioinspired Processing (BIP) 2019
- IEEE International Work Conference on Bioinspired Intelligence (IWOBI) 2018

Invited Talks & Presentations

- Calgary AI Workshop 2018
- Mi-AI Workshop, Department of Medical Imaging, University of Toronto 2018

Societies & Volunteer Activities

- Soccer Coach, North Toronto Soccer Club 2016
- Journal Director & Editor, GSUEJ, U of T 2015 – 2016
- Captain & Team Member, Intramurals Soccer, U of T 2013 – 2015
- District Level Referee, Ontario Soccer Association, Canada Soccer 2011 – 2013