HAFEZ GHAEMI iD

hafez.ghaemi@umontreal.ca
hafezgh.github.io
mila.quebec/en/person/hafez-ghaemi/

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EDUCATION

Ph.D. | *Computer Science*	Aug. 2023 – Aug. 2027 (expected)
Mila - Université de Montréal	Montreal
M.Sc. | *Computer Engineering*	Sep. 2020 – Aug. 2023
University of Tehran	Tehran
M.Sc. | *Data Science and Engineering*	Sep. 2020 – July 2022
Politecnico di Torino	Turin
B.Sc. | *Major: Mechanical Engineering, Minor: Computer Engineering*	Sep. 2016 – Sep. 2020
University of Tehran	Tehran

PUBLICATIONS

- Y. Zhang, **H. Ghaemi**, J. Lee, S. Bakhtiari, E.B. Muller, L. Charlin. "Self-Supervised Learning from Structural Invariance", ICLR 2026.

- **H. Ghaemi**, E.B. Muller*, S. Bakhtiari*. "seq-JEPA: Autoregressive Predictive Learning of Invariant-Equivariant World Models", NeurIPS 2025. *: equal contribution.

- A. Saibene, **H. Ghaemi**, and E. Dagdevir, "Deep Learning in Motor Imagery Eeg Signal Decoding: A Systematic Review", Neurocomputing, 2024.

- **H. Ghaemi**, S. Jamshidi, M. Mashreghi, M. Nili Ahmadabadi, and H. Kebriaei, "Risk Sensitivity in Markov Games and Multi-Agent Reinforcement Learning: A Systematic Review", arXiv, 2024.

- **H. Ghaemi**, H. Kebriaei, A. R. Moghaddam, and M. Nili Ahamdabadi. "Risk-Sensitive Multi-Agent Reinforcement Learning in Network Aggregative Markov Games", AAMAS 2024.

- M. Nouri*, F. Moradi*, **H. Ghaemi***, A. M. Nasrabadi, "Towards real-world BCI: CCSPNet, a compact subject-independent motor imagery framework", Digital Signal Processing, 2023. *: equal contribution.

- **H. Ghaemi***, E. Mirzaei*, M. Nouri*, and S. R. Kheradpisheh "BioLCNet: Reward-modulated Locally Connected Spiking Neural Networks", LOD Conference, 2022. *: equal contribution.

ACADEMIC SERVICE

- **Organizer:** Mila World Modeling Workshop 2026 (co-organizer and program chair)

- **Reviewer for:** ICLR - ICML - NeurIPS - AISTATS - AAAI - CoLLAs - IEEE-TCYB - IEEE-TSMC - COSYNE

EXPERIENCE

Teaching Assistant

Mila - Université de Montréal — Montreal

- Representation Learning (Fall 2025); instructor: Aishwarya Agrawal
- Fundamentals of Machine Learning (Fall 2024); instructors: Ioannis Mitliagkas, Dhanya Sridhar

Teaching Assistant — Part-time contract - July 2024

Neuromatch Academy — Remote

Teaching Assistant — February 2023 - July 2023

School of ECE, University of Tehran — Tehran

- Neural Networks; instructor: Ahmad Kalhor
- Game Theory; instructor: Hamed Kebriaei

Undergraduate Research Assistant   Nov. 2019 – Aug. 2020

School of Mechanical Engineering, University of Tehran   Tehran
- PI: Masoud Shariat Panahi

Summer Intern   July 2019 – Sep. 2019

Biorobotics Lab, School of Mechanical Engineering, University of Tehran   Tehran

Undergraduate Teaching Assistant   Sep. 2019 – Jan. 2020

School of Mechanical Engineering, University of Tehran   Tehran
- Materials Science Course; instructor: Ghader Faraji

SKILLS

Languages: English (fluent), Persian (native), French (basic), Italian (basic), Arabic (basic)
Programming (ordered by decreasing proficiency): Python, C/C++, MATLAB, Java, SQL
Deep learning frameworks (ordered by decreasing proficiency): PyTorch, JAX
Miscellaneous: HPC, Git, microcontroller programming

AWARDS AND HONORS

UNIQUE Center Excellence Scholarship (Doctoral Track)   2025-2026

TOPoliTo Master's Scholarship   2020-2022

Awarded to Politecnico di Torino's international students