

HAFEZ GHAEMI

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Last updated: February 3, 2026

EDUCATION

Ph.D. Computer Science Mila - Université de Montréal	Aug. 2023 – Aug. 2027 (expected) Montreal
M.Sc. Computer Engineering University of Tehran	Sep. 2020 – Aug. 2023 Tehran
M.Sc. Data Science and Engineering Politecnico di Torino	Sep. 2020 – July 2022 Turin
B.Sc. Major: Mechanical Engineering, Minor: Computer Engineering University of Tehran	Sep. 2016 – Sep. 2020 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
<ul style="list-style-type: none">• Representation Learning (Fall 2025); instructor: Aishwarya Agrawal• Fundamentals of Machine Learning (Fall 2024); instructors: Ioannis Mitliagkas, Dhanya Sridhar	
Teaching Assistant Neuromatch Academy	Part-time contract - July 2024 Remote
Teaching Assistant School of ECE, University of Tehran	February 2023 - July 2023 Tehran
<ul style="list-style-type: none">• Neural Networks; instructor: Ahmad Kalhor• Game Theory; instructor: Hamed Kebriaei	

Undergraduate Research Assistant

School of Mechanical Engineering, University of Tehran

- PI: Masoud Shariat Panahi

Nov. 2019 – Aug. 2020
Tehran**Summer Intern**

Biorobotics Lab, School of Mechanical Engineering, University of Tehran

July 2019 – Sep. 2019
Tehran**Undergraduate Teaching Assistant**

School of Mechanical Engineering, University of Tehran

- Materials Science Course; instructor: Ghader Faraji

Sep. 2019 – Jan. 2020
Tehran**SKILLS**

Programming: Python, C++, MATLAB, SQL**Miscellaneous:** Git, HPC**Languages:** English, Persian**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