





Alireza Dehghanpour Farashah

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EDUCATION

McGill University
PhD of Computer Science
Department of Computer Science and Technology

Montréal, Quebec
GPA: 4.0/4.0
August 2024 - Present

Sharif University of Technology
B.Sc. of Computer Engineering
Department of Computer Science and Technology

Tehran, Iran
GPA: 19.45/20
September 2019 - December 2023

TECHNICAL SKILLS

Programming Languages	Python, Java, C, C++
Frameworks & Libraries	PyTorch, TensorFlow, Keras, Scikit-learn, Numpy, Pandas, Openmim, MLflow
Tools	Git, PostgreSQL, MySQL, SQLite
Operating Systems	Linux, Windows
CAD & Simulation Tools	Proteus, ModelSim, Packet Tracer, Arena, Wireshark, Arduino
Soft Skills	Communication, Teamwork, Problem-solving, Flexibility

PUBLICATIONS

Zhuan Shi*, **Alireza Dehghanpour Farashah***, Rik de Vries*, and Golnoosh Farnadi. “Localized-attention-guided concept erasure for text-to-image diffusion models”. In: *NeurIPS 2025 Workshop on Generative and Protective AI for Content Creation*. 2025

Alireza Dehghanpour Farashah, Aditi Khandelwal, Negar Rostamzadeh, and Golnoosh Farnadi. “Unlearning Geo-Cultural Stereotypes In Multilingual LLMs”. In: *ICLR 2025 Workshop on Building Trust in Language Models and Applications*. 2025. URL: <https://openreview.net/forum?id=xo2e14bczv>

Alireza Dehghanpour Farashah*, Mahdi Salmani*, Mohammad Azizmalayeri, Mahdi Amiri, Navid Eslami, Mohammad Taghi Manzuri, and Mohammad Hossein Rohban. *Blacksmith: Fast Adversarial Training of Vision Transformers via a Mixture of Single-step and Multi-step Methods*. 2023. arXiv: 2310.18975 [cs.CV]. URL: <https://arxiv.org/abs/2310.18975>

* Equal contribution

RESEARCH EXPERIENCE

Chinese Univ. of Hong Kong (CUHK)
Summer Intern

July 2023 - September 2023

- Assistant Professor: Farzan Farnia
- Research Topics: Low Rank Adversarial Attacks, Schatten 1-norm Attack

RIMLab
Undergraduate Research Assistant

October 2022 - January 2024

- Assistant Professor: Mohammad Hossein Rohban
- Research Topics: Adversarial Robustness, Adversarial Attacks, Fast Adversarial Training

Data Analytics Lab
Undergraduate Research Assistant

October 2020 - November 2021

- Assistant Professor: Seyed Abolfazl Motahari
- Research Topics: Natural Language Processing, Speech Recognition

WORK EXPERIENCE

Zista Gene Afarin

July 2022 - August 2022

Medical Image Analyst

- Supervisor: Seyed Abolfazl Motahari
- White Blood Cell Classification, Large Scale Tissue Histopathology Image Classification

Iran's National Elites Foundation

November 2021 - July 2022

NLP Researcher

- Supervisor: Seyed Abolfazl Motahari
- Trigger Word Detection, Voice Assistant, Speaker Recognition

COURSES

McGill University

- **COMP 767 - Large Language Models: A** (Maximum: A)
- **COMP 598 - Responsible AI: A** (Maximum: A)

Université de Montréal

- **IFT 6135 - Representation Learning: A+** (Maximum: A+)
- **IFT 6765 - Vision-Language Models: A+** (Maximum: A+)
- **IFT 6167 - Towards AGI: Continual Learning, Scaling & Foundation Models: In-progress**

Sharif University

- **Machine Learning (Graduate): 19.5/20, Intelligent Analysis of Biomedical Images (Graduate): 20/20**, Artificial Intelligence: 20/20, Probability and Statistics: 20/20, Data & Network Security: 19.9/20, Operating Systems: 20/20, Computer Networks: 20/20 Discrete Mathematics: 19.9/20, Calculus I: 19.5/20, Calculus II: 20/20, Linear Algebra: 19.5/20, Design Algorithms: 20/20, Data Structures: 20/20,

HONORS AND AWARDS

- 33rd in the Nationwide University Entrance Exam among over 160,000
- Grad Excellence Award (McGill)
- Kharusi Family International Science Fellowship (McGill)
- Fonds de recherche du Québec - Nature et technologies (FRQNT)

RESEARCH INTERESTS

- **Text-to-Image Models, Vision-Language Models, Machine Unlearning, Robustness, Responsible AI, Trustworthy ML**

TEACHING ASSISTANT

- **IFT6135 Representation Learning**, TA (Fall 2025)
- **Artificial Intelligence**, Instructor: Mohammad Hossein Rohban (Spring 2023)
- **Machine Learning**, Instructor: Seyed Abolfazl Motahari (Spring 2023)
- **Compiler Design**, Instructor: Gholamreza Ghasemsani (Spring 2023)
- **Machine Learning**, Instructor: Ali Sharifi-Zarchi, Behrooz Azarkhalili (Fall 2022)
- **Artificial Intelligence**, Instructor: Gholamreza Ghasemsani (Spring 2022)
- **Engineering Probability And Statistics**, Instructor: Mahdi Jafari (Fall 2021)
- **Engineering Probability And Statistics**, Instructor: Amir Najafi (Spring 2021)
- **Engineering Probability And Statistics**, Instructor: Seyed Abolfazl Motahari (Fall 2020)

LANGUAGES

- **English** : Fluent
 - **TOEFL iBT: 105** (Reading: 26, Listening: 30, Speaking: 24, Writing: 25)
- **French** : Elementary
- **Persian** : Mother tongue