

EDUCATION

University of Maine

Ph.D. in Computer Science, GPA : 4.00

ME, USA

Fall 2024 - present

Sharif University of Technology

B.Sc. in Computer engineering, GPA : 3.73 (17.35 / 20)

Tehran, Iran

Fall 2017 - Spring 2022

Ranked #1 STEM university in Iran.

Shahid Beheshti High School (NODET)

High School Diploma in Mathematics & Physics, GPA : 4.00 (20/20)

September 2013 - July 2017

Attended the National Organization for Development of Exceptional Talents.

Achieved the highest score in the national diploma exam.

RESEARCH EXPERIENCE

My research interests are generative models (energy-based models) and reinforcement learning.

Privacy-Preserving Code Generation via RL and LLMs

2025 - present

under the supervision of [Travis Breaux](#) (CMU), [Sai Teja](#) (Google), and Dr. [Sepideh Ghanavati](#).

A Tale of Stein Variational Gradient Descent Scalability

Submitted to NeurIPS 2025

Can we estimate the entropy of arbitrary distributions known up to a normalization constant?

In collaboration with Dr. [Safa Messaoud](#) (QCRI; PhD UIUC).

Out of Distribution Detection on ImageNet-C

2022

Benchmarking Neural Network's out of distribution detection to Common Corruptions and Perturbations, under the supervision of Prof. [Rohban](#).

TADGAN

2021

Time series anomaly detection using generative adversarial networks on data of [MCI](#) company, under the supervision of Prof. [Siavoshani](#).

A platform for creating dynamic neural network models

2021

Developed a website for building and comparing dynamic neural network models using various training methods. This is my BSc project and is used by Prof. [Siavoshani](#)'s lab.

Constrained Clustering with Outliers: A Primal-Dual Perspective

2021

Implemented variants of the Facility Location problem (including Robust Facility Location, Facility Location with Penalties, and FLOX (a novel algorithm I proposed), under the supervision of Prof. [Sanjay Chawla](#).

TA EXPERIENCE

Sharif University of Technology

- Data Struc. and Algo., Spring 2021, Prof. [Ghods](#)
- Data Struc. and Algo., Fall 2018 to Fall 2020, Prof. [Safarnejad-Boroujeni](#)
- [Mobile App Development](#), Spring 2021, Prof. [Jafarinezhad](#)
- Algorithm Design, Spring 2019, Prof. [Sharifi-Zarchi](#)
- Systems Analysis & Design, Fall 2019, Prof. [Habibi](#)
- Fundamentals of Programming, Fall 2018, Prof. Taheri

University of Maine

- Intro to Cybersecurity, Spring 2025, Dr. [Ghanavati](#)
- Applied C Programming, Spring 2025, Troy Schotter

OTHER EXPERIENCES

Software Developer at Yektanet

Spring-Summer 2024

Yektanet is the largest digital advertising platform in Iran.

Software Team Leader at Sharif Game Challenge

Fall 2020

Sharif Game Challenge is a contest that teaches a group of talented students to create a game application.

Android Development Team Leader at Carriot

Fall 2019 - Spring 2022

Carriot was a startup company for a cloud-based smart solution for delivery planning, route optimization, and fleet management

PAPER REVIEWS

Reviewer: AAAI 2025

Subreviewer:

- ACM CCS 2025
- RCIS 2025
- RE 2025
- EuroS&P 2025
- ICSE 2026

LANGUAGES

Persian (Native Speaker), English (Proficient)

HOBBIES

- Playing Setar (Iranian musical instrument)
- Playing [chess](#) (rated 1030)
- I use Arch Linux BTW.

REFERENCES

- Dr. Safa Messaoud, Researcher at QCRI and Ph.D. graduate from UIUC, smessaoud@hbku.edu.qa
- Dr. Omid Jafarinezhad, Former professor at Sharif University, currently a Researcher at the University of Toronto, jafarinezhad@ce.sharif.edu
- Dr. Mahdi Safarnejad-Boroujeni, Professor at Sharif University, safarnejad@sharif.edu
- Dr. Sepideh Ghanavati, Professor at the University of Maine, sepideh.ghanavati@maine.edu
- Dr. Sai Teja Peddinti, Researcher at Google, psaiteja@google.com
- Dr. Travis Breaux, Professor at Carnegie Mellon University, cmc@nd.edu
- Dr. Mahdi Jafari Siavoshani, Professor at Sharif University, mjafari@sharif.edu
- Dr. Sanjay Chawla, Professor at QCRI, schawla@hbku.edu.qa