

EDUCATION	University of California, San Diego PhD in Mathematics (Expected Starting: Sep 2025) University of Waterloo MMath in Statistics (Sep 2023 - Apr 2025) <ul style="list-style-type: none">• Advisor: Prof. Aukosh Jagannath• Thesis: <i>High-Dimensional Scaling Limits of SGD in Single-Index Models</i> Sharif University of Technology BSc in Physics (Sep 2018 - Feb 2023) <ul style="list-style-type: none">• Minor in Mathematics
INTERESTS	<ul style="list-style-type: none">• Probability Theory• High-Dimensional Statistics• Stochastic Analysis• Random Matrix Theory• Mathematical Physics• Statistical Physics
RESEARCH EXPERIENCES	Graduate Research Student University of Waterloo (Sep 2023 - Apr 2025) <ul style="list-style-type: none">• Supervisor: Prof. Aukosh Jagannath• Project: <i>High-Dimensional Scaling Limits of SGD in Single-Index Models</i> Undergraduate Student Sharif University of Technology (Oct 2021 - Apr 2023) <ul style="list-style-type: none">• Supervisor: Prof. Saman Moghimi and Prof. Abolfazl Ramezanzpour• Project: <i>Loop corrections for hard spheres in Hamming space.</i> Summer Research Intern EPFL (July 2022 - Sep 2022) <ul style="list-style-type: none">• Supervisor: Prof. Lenka Zdeborova• Project: <i>Assortative Partitions on Dense Random Graphs.</i> Undergraduate Research Student Sharif University of Technology (June 2021 - Sep 2021) <ul style="list-style-type: none">• Supervisor: Prof. Amir Daneshgar• Project: <i>Belief Propagation for Graph Bi-Partitioning.</i> Remote Research Intern University of Manchester (Feb 2021 - Jun 2021) <ul style="list-style-type: none">• Supervisor: Dr. Ahsan Nazir and Dr. Adam Stokes• Project: <i>Thermodynamics of Non-Conjugate Quantum Subsystems.</i>
HONORS AND AWARDS	University of Waterloo Graduate Scholarship, 2025 Graduate Research Studentship, University of Waterloo, 2023-2025 International Master's Award of Excellence, University of Waterloo, 2023 MMath Entrance Scholarship, University of Waterloo, 2023 Summer@EPFL Fellowship, EPFL, 2022 Ranked 5th the 26th Iran University Physics Olympiad, Sanjesh Org., 2021 Silver Medal in the 30th Iran National Physics Olympiad, Sampad Org., 2017

SUMMER SCHOOLS	CRM-PIMS Summer School in Probability, University of Montreal, Canada, 2024 Quantum Thermodynamics Summer School, ETH Zurich, Switzerland, 2021
TEACHING EXPERIENCES	<p>Teaching Assistant, University of Waterloo (2023-2025)</p> <ul style="list-style-type: none"> • STAT 333: Stochastic Processes 1 (Winter 2025, Winter 2024) • STAT 833: Stochastic Processes 2 (Fall 2024) • STAT 330: Mathematical Statistics (Spring 2024, Fall 2023) • STAT 231: Probability (Spring 2024) • STAT 230: Statistics (Spring 2024) • STAT 202: Introductory Statistics for Scientists (Fall 2023) <p>Teaching Assistant, Sharif University of Technology (2019-2022)</p> <ul style="list-style-type: none"> • Thermodynamics and Statistical Mechanics 3 (Fall 2022, Fall 2021, Spring 2021) • Thermodynamics and Statistical Mechanics 2 (Spring 2021) • Thermodynamics and Statistical Mechanics 1 (Fall 2020) • General Physics 3 (Fall 2019) • Fundamentals of C Programming (Fall 2019)
SKILLS	<p>Programming: Experienced in C and Python</p> <p>Libraries: Familiar with Scikit-Learn, Keras, and TensorFlow</p> <p>Tools: Experienced in Wolfram Mathematica and L^AT_EX</p> <p>Languages: English (C1), Turkish (Fluent), Azerbaijani and Persian (Native)</p>