Parsa Rangriz

CONTACT INFORMATION	Department of Mathematics, University of California, San Diego, 9500 Gilman Drive #0112 La Jolla, CA, USA, 92093-0112 Office: HSS 4047	prangriz@ucsd.edu https://www.rangriz.com

EDUCATION

University of California - San Diego
PhD in Mathematics (Sep 2025 - Present)
- First-Year Advisor: Todd Kemp

University of Waterloo
MMath in Statistics (Sep 2023 - Apr 2025)
- Advisor: Aukosh Jagannath
- Thesis: *High-Dimensional Scaling Limits of SGD in Single-Index Models*

Sharif University of Technology
BSc in Physics / Minor in Mathematics (Sep 2018 - Feb 2023)

INTERESTS

Probability, High-Dimensional Statistics, Stochastic Calculus, and Random Matrices.

RESEARCH EXPERIENCES

Graduate Research Student
University of Waterloo (Sep 2023 - Apr 2025)
Supervisor: Aukosh Jagannath

Research Intern at SPOC Lab – Summer@EPFL
EPFL - Swiss Federal Technology Institute of Lausanne (July 2022 - Sep 2022)
Supervisor: Lenka Zdeborova

HONORS & AWARDS

Department of Mathematics Fellowship, UC San Diego, 2025

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

Silver Medal in the 30th Iran National Physics Olympiad, Sampad Org., 2017

TEACHING ASSISTANT EXPERIENCES

UC San Diego (2025-Present)
MATH 11 – Calculus-Based Probability and Statistics (Fall 2025)

University of Waterloo (2023-2025)
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)

Sharif University of Technology (2019-2022)
Advanced Statistical Mechanics (Fall 2022, Fall 2021, Spring 2021), Statistical Mechanics (Spring 2021), Thermodynamics (Fall 2020), General Physics 3 (Fall 2019), Fundamentals of C Programming (Fall 2019)