

# Rohan Chauhan

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## EDUCATION

### University of California, Irvine

*Ph.D in Computer Science*

Irvine, CA

Aug 2024-May 2029

Advisor: Ioannis Panageas

### University of California, Berkeley

*Bachelor of Arts in Applied Mathematics, Computer Science; GPA 3.92*

Berkeley, CA

Jun 2020-May 2024

Relevant Coursework: Data Structures, Algorithms, Probability & Stochastic Processes, Linear Algebra, Comp. Arch, Multivariable Calc., Machine Learning, Real Analysis, Numerical Analysis, Theoretical Statistics, Random Processes, Complex Analysis

Awards: High Honors (Mathematics), Distinction (College of Letters and Sciences)

## PUBLICATIONS

### On the Computational Complexity of Performative Prediction

Preprint (arXiv:2601.20180)

*Ioannis Anagnostides, Rohan Chauhan, Ioannis Panageas, Tuomas Sandholm, Jingming Yan*

### Learning Ising Models under Hard Constraints using One Sample

The Fourteenth International Conference on Learning Representations (ICLR '26)

*Rohan Chauhan, Ioannis Panageas*

### Statistical Inference in Latent Convex Objectives with Stream Data

16th International OPT Workshop on Optimization for Machine Learning (OPT '24 @ NeurIPS '24)

*Rohan Chauhan, Emmanouil-Vasileios Vlatakis-Gkaragkounis, Michael I. Jordan*

## WORK EXPERIENCE

### Archimedes Research Unit

*Research Associate*

Athens, Greece

Jun 2025-Aug 2025

- Conducted research on learning and sampling from discrete distributions under truncation
- Investigated efficient inference algorithms for reconstructing phylogenetic networks from extant samples

### Walleye Capital

Boston, MA

*Quantitative Research Intern @ Quantic*

Jun 2023-Aug 2023

- Equities alternative data for forecasting revenue and earnings from transactions and employment; Created medium frequency equity signals using linear models, clustering, and dimensionality reduction techniques
- Built analytics dashboard that ingests style factor and stock attribution data to monitor equity portfolio risks

### Celona

Cupertino, CA

*Core Software Engineering @ ML Ops Team*

Jun 2022-Aug 2022

- Featurized cellular network packet data and converted packets into objects for use in ML pipeline
- Wrote ML-Ops data collection and featurizer microservices that integrate within the existing codebase

## INVITED TALKS

### Learning Ising Models under Hard Constraints using One Sample

*UCI Computer Science Theory Seminar*

Nov 2025

### Learning Ising Models under Hard Constraints using One Sample

*Archimedes AI Statistical Learning Theory Seminar*

Feb 2026

## SKILLS

**Languages:** Python, Java, C, SQL, R, Go,

**Tools:** Pandas, statsmodels, sklearn, Matplotlib/Seaborn, git, Scipy, cvxpy, PyTorch, Excel, RegEx, Latex

## SERVICE

**Reviewing:** NeurIPS '24, '25, ICML '26