

# Rohan Chauhan

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## EDUCATION

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### 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

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### 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*

## PAPERS UNDER REVIEW

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### Inference from Dependent Streams: Gradient Descent in Time Series

39th Conference on Neural Information Processing Systems (AISTATS '26)

*Rohan Chauhan, Emmanouil-Vasileios Vlatakis-Gkaragkounis*

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

39th Conference on Neural Information Processing Systems (ICLR '26)

*Rohan Chauhan, Ioannis Panageas*

### Extremal Sets Of Perfect Matchings In $K_{2n}$

Journal of Combinatorial Design

*Rohan Chauhan, Jeremy Chow, Michael E. Orrison, Finn Southerland*

## WORK EXPERIENCE

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### Walleye Capital

*Quantitative Research Intern @ Quantic*

Boston, MA

*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

*Core Software Engineering @ ML Ops Team*

Cupertino, CA

*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

## SKILLS

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

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

## SERVICE

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