

Prashanti ANDERSON

Graduate Student at MIT CSAIL

@ paanders@mit.edu 📍 Cambridge, MA ⓘ <https://prashantianderson.github.io/>

EDUCATION

Massachusetts Institute of Technology
Ph.D. in EECS (advised by Sam Hopkins)

September 2023 - present

Carnegie Mellon University
BS in Computer Science | Concentration in Algorithms and Complexity

September 2019 - May 2023

- Awards and Honors: Phi Beta Kappa, Alan J. Perlis Undergraduate Student Teaching Award, CWMA 2023 Recipient, Senior Leadership Recognition, Runner Up for Allen Newell Award for Excellence in Undergraduate Research, SCS Deans List (F19, F20-S22, S23)

RESEARCH

1. Prashanti Anderson, Mitali Bafna, Rares Buhai, Pravesh K. Kothari, and David Steurer (2024). *Dimension Reduction via Sum-of-Squares and Improved Clustering Algorithms for Non-Spherical Mixtures*.
2. Prashanti Anderson, Ainesh Bakshi, Mahbod Majid, and Stefan Tiegel (2025). *Sample-Optimal Private Regression in Polynomial Time*.

TEACHING

Present January 2025	Teaching Assistant Introduction to Algorithms (6.1210)
May 2023 August 2020	Teaching Assistant Great Theoretical Ideas in CS (15-251) <ul style="list-style-type: none">➤ Head TA for F22 and S23.➤ Taught recitation, held office hours, and graded student work.➤ Organized review sessions and proposed practice problems.
May 2020 January 2020	Teaching Assistant Principles of Imperative Computation (15-122) <ul style="list-style-type: none">➤ Led a weekly lab, held office hours, and graded student work.➤ Helped revise written assignments to improve clarity and add additional practice with concepts such as memory management in C.

WORK EXPERIENCE

August 2022 May 2022	Software Engineering Intern JANE STREET <ul style="list-style-type: none">➤ Improved the performance of internal tools by 3x.➤ Performed benchmarks on the code base to determine bottlenecks and measure speedup.➤ Built a distributed application for processing logs.
August 2021 June 2021	Software Engineering Intern GOOGLE <ul style="list-style-type: none">➤ Set up a training pipeline to produce ML models which could be deployed to mobile devices.➤ Developed a prototype for running models locally.➤ Researched different tools for managing model versions and deploying models to devices.
August 2020 May 2020	STEP Intern GOOGLE <ul style="list-style-type: none">➤ Full stack development for a website to display the results of data analysis using HTML/CSS, JS, and a Java backend.➤ Analyzed sentiment in open text responses using the Cloud Natural Language API.➤ Experimented with different data visualizations for the result of the sentiment analysis.