Prashanti ANDERSON
Graduate Student at MIT CSAIL

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Education

Massachusetts Institute of Technology — September 2023 - present
Ph.D. in EECS (advised by Sam Hopkins)

Carnegie Mellon University — September 2019 - May 2023
BS in Computer Science | Concentration in Algorithms and Complexity

- 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*.

Teaching

Present – August 2020 | Teaching Assistant | Great Theoretical Ideas in CS (15-251)
- 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)
- 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
- 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
- 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
- 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.