# ETHAN MADER

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| EDUCATION | **Purdue University**, West Lafayette, IN<br>Ph.D. in Computer Science (advisor: Kent Quanrud), Aug 2024 - Present |
| | **University of California, Santa Barbara**, CA<br>B.S. in Computer Science, *cum laude*, (GPA: 3.93/4.0), June 2024<br>B.S. in Mathematics, *magna cum laude*, June 2024 |
| POSITIONS | **Graduate Research Assistant**<br>*Purdue University*, Aug 2024 - Present |
| | **Math and Computer Science Tutor**<br>*Wyzant*, June 2023 – Sep 2024 |
| | **Undergraduate Researcher**<br>*Polymath Jr.*, June 2023 - Aug 2023 |
| | **Undergraduate Researcher**<br>*UCSB Programming Languages Lab*, Jan 2023 - June 2023 |
| | **Undergraduate Researcher**<br>*UCSB Directed Reading Program*, Jan 2023 - June 2023 |
| INTERESTS | **Theory**: Graph algorithms, combinatorial optimization, randomized algorithms, complexity theory, game theory, algorithmic economics |
| | **Applications**: Algorithms and optimization, quantitative research, operations research |
| AWARDS | *Herbold Scholarship,* 2025 |
| | *Purdue University Presidential Excellence PhD Award*, 2024 |
| | *UCSB Dean's Honors*, 2020 - 2024 |
| SKILLS | **Qualities**: Leadership, collaboration, problem solving, critical thinking |
| | **Tools**: C++, Python (Numpy, Pandas, CVX), Mathematica, LaTeX |
| ACTIVITIES | *Theory CS Seminar*, 2024 – Present |
| | *TCS Reading Group,* 2024 - Present |
| | *Purdue Chess Club*, 2024 - Present |
| | *UCSB Chess Society*, 2020 - 2024 |
| | *UCSB Math Club*, 2021 - 2024 |
| | *Theta Tau Professional Engineering Fraternity*, 2021 - 2024 |
| PUBLICATIONS | TBD |