

# ETHAN MADER

(408) 458-0146 | ethan.mader@gmail.com | linkedin.com/in/ethan-mader | ethan-mader.com

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