Michael P. Reidy Jr.

Email: mreidy3@u.rochester.edu
Mobile: (781) 422-1367
Web: Portfolio Website

WORK & RESEARCH EXPERIENCE

49th MFCS Conference Reviewer ***May 2024***

- Evaluated and reported on papers related to algorithmic complexity as a reviewer for the 49th International Symposium on Mathematical Foundations of Computer Science.

NSF REU: Complexity and Social Choice ***August 2023 - May 2024***

Undergraduate Research Assistant, advised by Dr. Lane Hemaspaandra *Rochester, NY*

- Studied resistances and vulnerabilities of constructive control in different election schemes (i.e. Plurality, Condorcet, and Approval elections) via computational complexity approaches.
- Critiqued papers claiming to resolve the P vs NP problem to improve professional writing.

AI Generated Content Identification via CFA Based Classifiers ***March 2023 - December 2023***

Undergraduate Researcher, advised by Dr. Jiebo Luo *Rochester, NY*

- Created classifiers able to identify artificially generated images, and compared their effectiveness against popular deep learning classifiers.

Teaching Assistant & Workshop Leader ***September 2022 - April 2023***

CSC 172 Data Structures and Algorithms *Rochester, NY*

- Aided students in practically implementing theoretical knowledge of data structures.
- Created and executed relevant lesson plans, and investigated the effect of recall questions on students' academic performance.

PUBLICATIONS

- **M. Reidy**, H. Mallon, J. Luo, "Investigating the Effectiveness of Deep Learning and CFA Interpolation Based Classifiers on Identifying AIGC," 2023 IEEE International Conference on Big Data (BigData), Sorrento, Italy, 2023, pp. 5897-5903, doi: 10.1109/BigData59044.2023.10386096.
- T. D.A. Le, **M. Reidy**, E. Smith, “A Critique of Chen's ‘The 2-MAXSAT Problem Can Be Solved in Polynomial Time,’” 2023, arXiv preprint, arXiv:2404.00006.
- M. Chavrimootoo, T.D.A. Le, **M. Reidy,** E. Smith, “On Czerwinski's ‘P≠NP relative to a P-complete oracle,’” 2023, arXiv preprint, arXiv:2312.04395.

EDUCATION

University of Rochester **May 2025** ***(Anticipated Graduation)***

B.S. Computer Science, minor in Mathematics *Rochester, NY*

- **GPA:** 3.83
- **Awards:** Dean’s List; Xerox Technology Scholarship; Undergraduate Research Grant.

RELEVANT COURSEWORK

Machine Vision; Computation & Formal Systems; Deep Learning; Intro to AI; Data Structures and Algorithms; Intro to Cryptography; Computational Statistics; Linear Algebra; Honors Calculus; Data, Algorithms, and Justice; Design and Analysis of Efficient Algorithms; Computational Complexity

SKILLS

Programming Languages: Python, Java, MATLAB, HTML, JavaScript, CSS, C, LaTeX
Development Tools/Libraries: Git, Overleaf, React, Firestore, Tkinter, Flask, Figma