Yiqi Zhao

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Education

- University of Southern California   Start Date: Fall 2023

  PhD Student | Major: Computer Science | Advisors: Prof. Jyo Deshmukh, Prof. Lars Lindemann

- Vanderbilt University   Start Date: Fall 2020   Graduation Date: Spring 2023

  Bachelor of Science | Magna Cum Laude | Majors: Honors in Computer Science; Mathematics (Applied Track) | Minors: Electrical Engineering; Data Science | GPA: 3.935

Research Interest

Safe design of intelligent autonomy; Design, testing, and verification of learning-enabled Cyber-Physical Systems.

Relevant Skills

- Programming Languages: Python (familiar with OpenCV, PyTorch, Keras, Numpy, Pandas, Matplotlib, scikit-learn, etc.), R, Javascript, C++, C, MATLAB, Java, Swift, Racket, Prolog, Go.
- Other Skills: HTML, CSS, SQL, React, Computer Vision, Image Processing, Machine Learning, Artificial Intelligence, Deep Learning, Spring Boot, MongoDB, Postman, etc.
- Languages: Chinese (Mandarin), English, Latin.

Publication(s)

1. **Yiqi Zhao**, Ziyan An, Ayan Mukhopadhyay, and Meiyi Ma. 2023. Fairguard: Harness Logic-based Fairness Rules in Smart Cities. In *Proceedings of the 8th ACM/IEEE Conference on Internet of Things Design and Implementation (IOTDI '23)*, May 9 – 12, 2023, San Antonio, Texas. 105-116. https://doi.org/10.1145/3576842.3582371

Working Paper(s)

1. **Yiqi Zhao**, Ziyan An, Meiyi Ma, and Taylor Johnson. EduSAT: A Pedagogical Tool for Theory and Applications of Boolean Satisfiability.

Internship and Work Experiences

- Grader of CS 4260 (Artificial Intelligence) at Vanderbilt University (August 2022 – May 2023).
  - Graded homework and exams and holding office hours for Artificial Intelligence (CS 4260) at Vanderbilt.
- Application Development Intern at ADP (June 2022 – August 2022):
  - Worked as an Intern within the Global Product & Tech (GPT) group at ADP.
  - Developed the Notification Replay API for the Autopay Group through an Agile Environment.

Awards and Fellowships

- Viterbi School of Engineering Fellowship.
- VISE Award (Scholarship for the VISE Summer Fellowship).
- Third Place, ACE Hardware Science Search, 2018 Science Olympiad, National Tournament.
- Mu Alpha Theta Award (Best Math Project) in Vermont Science, Technology, Engineering & Mathematics Fair (Intel Affiliated).