

Yuxiang Sun

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EDUCATION

University of Wisconsin-Madison

Expected Graduation: Fall 2026

Major: BS in Computer Science & Mathematics

Madison, Wisconsin

Jan. 2024-Present

Central University of Finance and Economics (CUFE)

Major: BS in Financial Engineering

Beijing, China

9/2021-12/2023

HONORS & AWARDS

- Dean's List (Every semester)
- **GPA: 4.0 / 4.0**
- The First Prize for the 9th National Statistical Modeling Competition (National Level), 08/2023;
- First Prize in the National College Students Mathematics Competition (National Level), 04/2023;
- Second Prize for the National High School Mathematics League (National Level), 10/2020;
- Second Prize for the China Southeast Mathematical Olympiad (National Level), 08/2019;

RESEARCH EXPERIENCE

Research Assistant in Prof. Yunshun Dong's Group, Florida State University

Jun 2024 – Aug 2025

- Contributed as a principal contributor and maintainer to the PyGIP library, which consolidates code and datasets from research papers on GNN model extraction attacks and defenses.
- Developed the defense framework and implemented 2 model extraction defense algorithms and 8 model extraction attack algorithms into library, enabling users to select attack models from one paper to test against defense models from another. This allows for flexible and comprehensive benchmarking of GNN security methods.
- Co-authored the PyGIP 1.0.0 documentation, a comprehensive guide for users on installation, API reference, and usage of the library.

Project Link: <https://github.com/LabRAI/PyGIP>

Paper Link: <https://arxiv.org/abs/2508.19641v1> (Under review at ACM Computing Surveys, 2025)

Research Assistant in Prof. Remzi Arpaci-Dusseau's Group, University of Wisconsin-Madison

Jun 2025 – Dec 10, 2025

- Reproduced more than 50 semantic bugs and tested the severity of each semantical bug about scheduler from Linux, Kubernetes and Volcano
- Classified these bugs based on 6 different criteria: special input, source of violation, root cause, influenced decision, how the bug is found, and after fix
- Co-developing a bug testing tool

WORK EXPERIENCE

Teaching Assistant – Comp Sci 538, UW-Madison

Madison, WI

Jan 21, 2026 – now

- Selected to assist in a graduate-level course covering advanced PL topics, ranging from Lambda Calculus and Type Theory to Program Synthesis and Language-based Security.
- Facilitating student learning on functional paradigms (Haskell/JS), while preparing to guide upcoming modules on Rust memory safety, Bitcoin invariants, and static analysis.

Peer Mentor – Comp Sci 540, UW-Madison

Madison, WI

Oct 8, 2025 – Dec 10, 2025

- Mentored students in foundational artificial intelligence concepts, including supervised learning, neural networks, and deep learning
- Provided conceptual guidance and debugging support for Python-based homework assignments on machine learning algorithms

Course Assistant - Math Learning Center, UW-Madison

Madison, WI

Sep 4, 2025 – Dec 10, 2025

- Provided specialized tutoring for MATH 421 students in mathematical proof writing and theoretical calculus concepts
- Supported student comprehension of advanced theorems and formal definitions

Drop In Tutor - Computer Sciences Learning Resources (CSLC), UW-Madison

Madison, WI

Feb 11, 2025 – May 11, 2025

- Provided academic support and tutoring for CS252 (Introduction to Computer Engineering) and CS300 (Programming II) students
- Delivered individualized assistance with programming concepts, debugging, and problem-solving techniques

Maintenance Technician - University Housing, UW-Madison

Madison, WI

May 13, 2024 – July 15, 2024

- Installed window screens across multiple residence halls to improve air quality and pest control for student living spaces
- Performed comprehensive air conditioning system cleaning, maintenance, and installation services

Cardinal Trading Group

Madison, WI

Feb 19, 2024 – Dec 7, 2024

- implemented strategy code and developed backtesting frameworks with python

Zhongtai Securities Shanghai Branch

Shanghai, China

Jun 27, 2023 – July 21, 2023 Intern

- Composed research reports for fund companies in preparation for roadshows, introduced the basic information of the fund companies and analyzed their quantitative strategies for each product;
- Learned the stock option incentive plan and participated in the stock option incentive project;
- Archived documents and assisted in other work for investors.

Worldquant Brain Consultant

online

Apr 23, 2023 – Aug 17, 2024

- Mined factors on the WorldQuant Brain platform (identified more than ten effective factors)

OTHERS

- Programming Skills: Python, Java, C++, C, Haskell, JavaScript, Rust
- Language Skills: Native in Chinese and Proficient in English