

CHENTIAN WU

[EMAIL](#) | [WEBSITE](#) | [GITHUB](#) | [LINKEDIN](#)

MADISON, WI

EDUCATION

University of Wisconsin-Madison | GPA: 3.97/4.0 Jan 2024 - Dec 2025
B.Sc | Mathematics (with Honors) and Computer Science (with Honors)
Nanjing University Sep 2021 - Dec 2023
B.Eng | Computer Software Engineering (transferred)

EXPERIENCES

Oregon PL Summer School | Participant Jun 2025 - Jul 2025
Categorical Algebra | RA Dec 2024 - Present
Intuitions and applications of Beck's Monadicity Theorem.
Supervised by Prof. [Marco Paviotti](#) and Prof. [Uri Andrews](#),
Program Synthesis for Learning | RA Mar 2024 - Present
Reducing Exact Learning to Syntax-Guided Program Synthesis
Supervised by Prof. [Xiaokang Qiu](#) and Prof. [Adithya Murali](#)
Model Theory DRP | Participant Sep 2024 - Dec 2024
Directed Reading Program in Model Theory
Studied pure model theory
Proved the Erdős-Rado Theorem using the Downward Löwenheim-Skolem Theorem
GUI Software Testing | RA Oct 2022 - Sep 2023
LLM applications in mobile GUI testing
Supervised by Prof. [Chunrong Fang](#) and Dr. [Shengcheng Yu](#)
Research on test case generation and migration using LLMs

PUBLICATIONS

LLM for Test Script Generation and Migration: Challenges, Capabilities, and Opportunities
IEEE QRS 2023
Shengcheng Yu, Chunrong Fang, Yuchen Ling, [Chentian Wu](#), Zhenyu Chen

TEACHING EXPERIENCE

MATH 551: Elementary Topology | Course Assistant Jan 2025 - Present
Assisting in Elementary Topology course
Supporting students in understanding topological concepts
Grading assignments and providing feedback
CS 538: Theory and Design of Programming Languages | Peer Mentor Jan 2025 - Present
Mentoring students in programming language theory
Providing guidance on programming language concepts
Supporting students with course materials and assignments
CS Learning Center | Drop in Tutor Sep 2024 - Dec 2024
Helping students with CS 200, 300, 400 level courses
UW-Madison
Providing tutoring support for various computer science courses
Assisting students with programming assignments and concepts

AWARDS

UW-Madison R. Creighton Buck Prize Fund Scholarship <i>Best Thesis in Mathematics</i>	May 2024
OPLSS Student Fellowship	May 2024
UW-Madison Dean's List	Dec 2024
UW-Madison Dean's List	May 2024
UW-Madison Summer Internship Scholarship <i>For students with summer internships</i>	May 2024
UW-Madison Transfer Scholars Summer Award <i>For transfer students maintaining satisfactory academic progress</i>	May 2024
CitiCup Financial Innovation and Application Competition, Third Prize <i>Top 10%</i>	Aug 2023
National College Students' Mathematical Competition, First Prize <i>Top 5%</i>	Nov 2022
Nanjing University Renmin Scholarship <i>Top 10%</i>	Oct 2022

SKILLS

Programming Languages: Rust | Java | C++ | Haskell | Rocq | TypeScript | Python | C | SQL
Languages: English (Fluent) | Mandarin (Native)