

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)