

Wen Fan

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EDUCATION

Purdue University

West Lafayette, USA

Aug. 2024 – Present

Major: Electrical and Computer Engineering

Degree: PhD

Advisor: Prof. Jenna DiVincenzo

University of Science and Technology of China (USTC)

Hefei, China

Sept. 2018 – Jun. 2022

Major: Computer Science and Technology

Degree: Bachelor

GPA: 3.75/4.3

RESEARCH INTEREST

Program Verification

PUBLICATIONS

Evaluating the Ability of Large Language Models to Generate Verifiable Specifications in VeriFast [\[pdf\]](#)

Marilyn Rego, Wen Fan, Xin Hu, Sanya Dod, Zhaorui Ni, Danning Xie, Jenna DiVincenzo, Lin Tan. The 2nd ACM international conference on AI Foundation Models and Software Engineering (FORGE 2025)

RESEARCH EXPERIENCE & PROJECTS

Evaluating LLM on generating specifications for separation logic

Purdue University

Advisor: Prof. Jenna DiVincenzo

Sept. 2024 – Now

Vicious Cycles in Distributed Systems

Purdue University

Advisor: Prof. Yongle Zhang

June. 2022 – Apr. 2023

We investigated a type of failure in distributed systems, where an event causes a system degradation and it further causes more events. I joined half-way in this project.

- Collected some cases of those failures on Apache Jira.
- Tried implementing a static analyzer on retry pattern in distributed systems such as Hadoop.

DSLAB (Sharded and Fault Tolerant Distributed Key-Value Store)

CS505 project at Purdue University

Developed from University of Washington, DSLAB is a framework for building and debugging distributed systems for educational purposes. I did this lab with my friend and passed most of the tests.

- Implemented Primary-Backup, Paxos and Two Phase Commit protocols.
- Debugged to pass more than 90% of tests (including searching tests on corner cases).

TEACHING ASSISTANT EXPERIENCE

Mathematical Logic, USTC

Spring 2021

CS252 Systems Programming, Purdue University

Fall 2022, Spring 2023, Spring 2024

CS251 Data Structures, Purdue University

Fall 2023

AWARDS

Huawei Scholarship

Nov. 2020

Huaxia Talent Program at USTC

June 2022

SKILLS

Programming Languages: ~~C, C++, Java, Python, Go~~ (chatgpt)

Frameworks: ~~Django, Soot~~ (chatgpt)

Algorithms: [Leetcode](#) 100+, CS584 (Computation Complexity)

Languages: English, Chinese

Sports: Running