Xusheng Zhi

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BIO

I am Xusheng Zhi, an undergraduate student from Peking University. I have a broad interest in programming languages, especially program verification. Currently, I am working on language tools for program verification, advised by Prof. Zhenjiang Hu and Prof. Di Wang.

Education

Peking University   **Beijing, China**

B.Sc., Computer Science and Technology   Sep 2021 – Jul 2025 (expected)

○ **Selected Courses**: Software Analysis (97), Software Foundations (96), Compiler Principles (90), Introduction to Theoretical Computer Science (94), Algorithm Design and Analysis (94)

Research Experiences

University of Wisconsin-Madison   **Madison, WI, US**

Undergraduate Student Intern, advised by Prof. Thomas Reps   Jan 2024 – Jul 2024

Topic: Context-Free Language Ordered Binary Decision Diagrams

Peking University   **Beijing, China**

Undergraduate Research Assistant, advised by Prof. Zhenjiang Hu and Prof. Di Wang   Aug 2024 – present

Topics: Language Tools for Program Verification

Publications

Polynomial Bounds of CFLOBDDs against BDDs, *Xusheng Zhi, Thomas Reps*

Just accpeted, TOPLAS. DOI: 10.1145/3716313.

Teaching

Teaching Assistant, *Software Analysis*   Fall 2024, Peking University

An undergraduate course on static analysis and more recent advancements in programming languages, such as program synthesis, instructed by Prof. Yingfei Xiong.

Selected Awards

Second Prize for Problem Creation of PKUCPC   2024

First Prize for Problem Creation of PKUCPC   2023

Awards of Academic Excellence of Peking University   2023

First Prize for Problem Creation of PKUCPC   2022

Silver Medal in National Olympiad in Informatics (NOI)   2020