

# Xusheng Zhi

Peking University, Beijing, China

2100013006@stu.pku.edu.cn | [hihi142.github.io](https://github.com/hihi142)

Updated August 5, 2024

## Interests

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- Broad interest in **Programming Languages** .
- Study and research experience in **Formal Verification** .

## Education

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### Peking University

Beijing, China

B.Sc., Computer Science and Technology

Aug 2021 – Jun 2025 (expected)

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

## Experiences

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### University of Wisconsin-Madison

Madison, WI, US

Undergraduate Student Intern (Visitor)

Jan 2024 – Jul 2024

- Visiting the PL group of UW-Madison (MadPL) and working with Prof. Thomas Reps on Context-Free Language Ordered Binary Decision Diagrams.

### Peking University

Beijing, China

Undergraduate Research Assistant

Jun 2023 – Dec 2023 & Aug 2024 – present

- Working on Proof-Oriented Languages, advised by Prof. Zhenjiang Hu and Prof. Di Wang.

## Publications

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### Polynomial Bounds of CFLOBDDs against BDDs

Xusheng Zhi, Thomas Reps

- Preprint at arXiv: [arXiv:2406.01525](https://arxiv.org/abs/2406.01525).

## Selected Awards and Scholarships

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**Second Prize for Problem Composing** of PKUCPC

2024

**First Prize for Problem Composing** of PKUCPC

2023

**Awards of Academic Excellence** of Peking University

2022-2023

**First Prize for Problem Composing** of PKUCPC

2022

**Silver Medal** in National Olympiad in Informatics (NOI)

2018