

Jiahao Zhang (张佳豪)

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Education

Peking University, Bachelor in Computer Science July 2022 - Present
GPA: 3.79/4.0 (Major GPA: 3.84/4.0)

Experience

Intern Researcher, Center for Energy-Efficient Computing and Applications(CECA) March 2024 - June 2025
Teaching Assistant, Peking University July 2024 - Jan 2025

Projects

- SysY Compiler January 2025
Full compiler with SSA optimization and graph coloring register allocation
- SysY LSP Server January 2025
Language server with syntax highlighting, completion, and definition navigation
- GBridge January 2024
P2P lending platform with Rust backend and AI recommendation system
- Nogo January 2023
Board game with MCTS AI opponent and adjustable difficulty levels

Skills

Programming Languages: C++ (Proficient), Rust (Skilled), Python (Skilled)
Mathematics: Fundamentals of Calculus, Algebra, Probability
Tools: Linux, Git, Wolfram, TeX, Docker

Awards

- National Scholarship January 2024
- CCPC Regional Contest Silver Medal January 2023
- ICPC Regional Contest Gold Medal January 2022

Publications

AceRoute: Adaptive Compute-Efficient FPGA Routing with Pluggable October 2024
Intra-Connection Bidirectional Exploration
ICCAD 24