

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	2024
• CCPC Regional Contest Silver Medal	2023
• ICPC Regional Contest Gold Medal	2022

Publications

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