

Junwei Zhang

Computer Science Undergraduate

University of Chinese Academy of Sciences
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China

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EDUCATION

2023.09– **B.S. in Computer Science**, University of Chinese Academy of Sciences, School of Computer Science and Technology, Beijing, China,

– GPA: 3.97/4.0

– Rank: 1/91

Specialized Courses: Discrete Mathematics, Introduction to Computer Science, Probability Theory and Mathematical Statistics, Digital Circuits, Programming Basis and Experiment (C Programming Language), Data Structures, Introduction to Theory of Computation, Principles of Computer Organization, Labs of Computer Organization and Design, Assembly Language

RESEARCH INTEREST

My current research interests focus on hallucination phenomena and memory mechanisms in large language models.

PROJECTS & EXPERIENCE

2024.09– **YSYX-project (One student One Chip Project)**

2025.09 Design and optimize a RISC-V processor using Chisel HDL and SystemVerilog. Validate hardware designs via differential testing against a self-implemented RISC-V virtual machine. Develop a lightweight runtime environment to support application-level workloads.

🔗 **Technologies:** Chisel, Verilog, C, RISC-V

HONORS & AWARDS

2024, 2025 **National Scholarship (Top 2%)**

Ministry of Education of P.R. China

2025 **Finalist award in Interdisciplinary Contest In Modeling (Top 3%)**

Consortium for Mathematics and its Applications

2024, 2025 **First Class Academic Scholarship (Top 5%)**

University of Chinese Academy of Sciences

2024, 2025 **Triple-A student**

University of Chinese Academy of Sciences

SKILLS

Programming C, Python, Verilog, Chisel/Scala

Development Git, Neovim, Linux

Languages Chinese (Native), English (Fluent)