

ZHE XUE

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🎓 EDUCATION

Southern University of Science and Technology, Shenzhen, China Sep. 2023 – Present

B.S. student in Computer Science and Technology (Turing Class), expected Jun. 2027

- **GPA:** 3.92/4.00, ranking 3/150 (Top 2%)
- **Core courses:** Data Structures and Algorithm Analysis, Probability and Statistics for Engineering

🏆 HONORS AND AWARDS

Bronze Medal winner of the 2023 ICPC Asia Xi'an Regional Contest	Oct. 2023
Silver Medal winner of the 2023 ICPC Asia Nanjing Regional Contest	Nov. 2023
Gold Medal winner of the 2024 ICPC Asia Chengdu Regional Contest	Oct. 2024
Gold Medal winner of the 2024 ICPC Asia Hong Kong Regional Contest	Dec. 2024
Silver Medal winner of the 2024 ICPC Asia-East Continent Final Contest	Dec. 2024
Freshman Scholarship	2023
Outstanding Student Scholarship	2024

📖 RESEARCH EXPERIENCE

Analyzing LLM's Reasoning Ability from an Uncertainty Perspective Ongoing

- Investigating how uncertainty affects reasoning reliability in large language models
- Evaluated the quality of the models' responses at different temperatures
- Trying to measure the impact of temperature on other metrics

🧩 PROJECTS

MiniOB 🌐 xz-xuezhe/miniob-2024

- Added some features to a database system demo in C++
- Implemented clauses such as `join`, `group by`, `order by`

RV32-CPU 🌐 xz-xuezhe/RV32-CPU

- 5-stage pipeline CPU implemented in Verilog
- Support most instructions of RV32I (RISC-V 32-bit Base Integer Instruction Set)
- Implemented hazard detection, forwarding, and branch prediction to support efficient parallel execution

MujiClass 🌐 sustech-cs304/team-project-25spring-12

- An intelligent coursework management system, implemented with Vue.js + FastAPI
- Support adding shared notes on PDF slides, AI-assisted grading of assignments, and other features
- CI/CD via GitHub Actions & Vercel (in another repository)

⚙️ SKILLS

- **Languages:** Chinese (Native), English (Fluent, TOEFL 96)
- **Programming:** C++, Python, Rust, Java, JavaScript
- **Tools:** Git, Linux, Docker, $\text{\LaTeX}$