Yongzhou Yao

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🎓 Educatin

University of Chinese Academy of Sciences, Beijing, China | 2022.9 – Present

B.S. Computer Science and Technology

- GPA:3.78/4.0
- Rank:23/79
- Specialized courses: Object-oriented Software Design and Construction(96), Lab of Computer Networking(90), AI Computing Systems(89), Computer Architecture Lab(88)

👥 Research Experience

Computer Architecture Lab | Fall 2024

Seminar Group Collaboration

Design of a complex pipeline processor based on Loongarch.

- Implemented control state registers, supporting exception handling.
- Supported SRAM-like bus.
- Supported TLB and related exception handling.
- Supported ICache and DCache.

Introduction to Machine Learning | Fall 2024

Elective Course Group Collaboration

2022 CCF BDCI Prediction of Returning Population

- Used ensemble learning methods, including LightGBM, XGBoost, and CatBoost, to complete the classification task.

Object-oriented Software Design and Construction | Fall 2024

Elective Course Individual Project

Open-source project analysis

- Chose the open-source project Duck DB, with approximately 16,000 lines of code.
- Conducted independent research and use Cppdepend for static code analysis.

⚙ Technicial Skills

- Programming Languages: C, Python, C++, Java, Verilog
- OS: Linux, MacOS
- Tools: Git, LaTeX, Docker

♡ Awards

Second-class Academic Scholarship	2023
Outstanding Student Cadre	2023
Triple-A Student	2023,2024

ⓘ Public Affairs

Officer of the Propaganda Center, Undergraduate Student Union, UCAS	Aug.2023 - Aug.2024
League branch secretary, Class 2208	Sep.2023 - Sep.2024