

# YONGZHOU YAO

✉ yaoyongzhou22@mailsucas.ac.cn · ☎ (+86) 19906442346 · in Yongzhou Yao

## 🎓 EDUCATION

**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 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 Programming** 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 selected the tool (Cppdepend) for static code analysis

## ⚙️ TECHNICAL SKILLS

- Programming Languages: C, Python, C++, Java, Verilog
- OS: Linux, MacOS
- Tools: Git, L<sup>A</sup>T<sub>E</sub>X, 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