CHENLU MIAO

✉ clmiao@zju.edu.cn · ☎ (+86) 18888920826

🎓 EDUCATION

Zhejiang University   2021 – 2024

M.S. in Computer Science and Technology, expected March 2024

Zhejiang University   2017 – 2021

B.S. in Computer Science and Technology

- Member of Pursuit Science Class (Computer Science), Chu Kochen Honors College
- Overall GPA: 3.97 / 4, 4.59 / 5 , 91.4 / 100; Rank: 4 / 20

Research Interests: Computer Architecture and Hardware Security

📖 PUBLICATIONS

unXpec: Breaking Undo-based Safe Speculation

Mengming Li, **Chenlu Miao**, Yilong Yang, and Kai Bu

The 28th IEEE International Symposium on High-Performance Computer Architecture (HPCA), 2022

👥 EXPERIENCE

Alibaba Group. Intelligent Information Business Group (Quark)   Jun.2021 – Present

Software Engineering Intern

- Implemented feature management module for Feature Middle Platform.
- Fix and migrate codes.

Computer Architecture. Zhejiang University   Sept.2021 – Present

Teaching Assistant

- Help students implementing RISCV CPU using Verilog.

</> PROJECTS

Pascal Compiler

C++, Lex, Yacc, LLVM   collaborated with classmates

- A Pascal Compiler written in C++ with LLVM
- https://github.com/miaochenlu/Pascal_Compiler

Mini-Minecraft

C++, OpenGL   collaborated with classmates

- The project was about implementing a Minecraft demo in C++ and OpenGL;
- In order to generate infinite, random map, Perlin noise was used.
- SQLite was used to record the changes of each map trunk.
- https://github.com/Rasphino/mini-MineCraft

Tank Battle

Verilog, FPGA   collaborated with classmates

- The project was about implementing a Tank Battle game in Verilog on FPGA board.
- https://github.com/miaochenlu/Tank_Battle

⚙ Skills

- Programming Languages: C/C++ > Python > Verilog
- Tools: Gem5, Docker, Git

♡ Honors and Awards

First Prize for Fundamental Research Scholarship of Qiushi Honor's Program   2018&2019&2020
First Prize for Zhejiang University Scholarship   2020

ℹ Miscellaneous

- Blog: https://miaochenlu.github.io/
- GitHub: https://github.com/miaochenlu