

ZIYUE PAN

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📖 INTRODUCTION

I am a graduate student of Computer Science at Zhejiang University expected to graduate in 2025. I'm working with Prof. Wenbo Shen. My research interest revolves around **system security and software security**.

🎓 EDUCATION

Zhejiang University, Hangzhou, Zhejiang Sep. 2022 – Present
Master of Engineering in Computer Science of Technology

Zhejiang University, Hangzhou, Zhejiang Sep. 2018 – June. 2022
Bachelor of Engineering in Computer Science and Technology, *GPA: 4.34/5*

📖 PUBLICATIONS

- **(TDSC)** Ambush from All Sides: Understanding Security Threats in Open-Source Software CI/CD Pipelines. [Paper][Code]
Ziyue Pan, Wenbo Shen, Xingkai Wang, Yutian Yang, Rui Chang, Yao Liu, Chengwei Liu, Yang Liu, Kui Ren
IEEE Transactions on Dependable and Secure Computing (TDSC)

♡ HONORS AND AWARDS

National Scholarship for Graduate Excellence Oct. 2023
2nd Prize of the 6th Loongson cup National Student Computer System Capability Challenge Aug. 2022
1st Prize of Dream cup Chinese Youth IC Technology Competition Apr. 2022

📁 PROJECTS

- **🔗 CIAlyser**. Analyser for the security of CI usage in OSS projects, the corresponding tool of our paper: “Ambush from All Sides: Understanding Security Threats in Open-Source Software CI/CD Pipelines”. It is intended to crawl repositories with OSS CI configured and analyze the security properties.
- **ZJV** is the second generation of ZJV CPU and SoC design, written in Chisel3. Capable of booting PMON, uCore and Linux operating systems. It mainly features a more powerful diff test utility and higher performance.
- **🔗 GNC (GNC is Not C)**. Based on the principle of being explicit and simple, I developed this customized C-like language with **rust** and **LLVM**, as the course project of Compiler Principle.

⚙️ SKILLS

- **Programming**: C/C++, Go, Rust, Chisel, ARM/RISC-V Assembly, Java
- **Low-level System**: ARM/RISC-V Hardware Features, Linux Kernel
- **Tools**: QEMU, GDB, Git, LLVM, CodeQL, \LaTeX , Vim