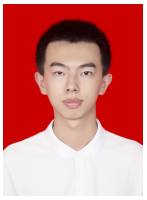

CHENYU HUI

IEEE student member

+86 18392950317 2687123206@stu.xjtu.edu.cn

website CHENYU HUI's homepage *github* github account

KEY

- My undergraduate major is microelectronics, which allows me to understand the principles and architecture of computers from the most fundamental and physical perspective. During my time at school, I have worked on digital integrated circuit design and analog integrated circuit design for more than 60 hours, which gives me a clear understanding of the delay in circuits.
- I had a lot of competition experience during my university years. Participating in competitions has trained my practical ability and teamwork ability. In the competitions, I have won **two national first prizes** and several provincial awards in well-known Chinese competitions.
- During my college years, I served as a core member of two large student clubs at Xi'an Jiaotong University, namely the Intelligent Robot Club and the Shenyang Book Club. My experience in the clubs enabled me to interact with students from different professional backgrounds and personalities and organize and manage large-scale activities.

EDUCATION

- **UNIVERSITY:** Learning in Xi'an Jiaotong university(xjtu,a school of china's C9 University Alliance) from 2022 to 2026.My major is Microelectronics Science and Engineering (Integrated Circuit Design)

WORK EXPERIANCE

- From February to March 2025, worked as a back-end development technical member at the startup Cloud Wenjing Technology Company.
- Served as the operations supervisor of the WeChat Mini Program activity recommendation officer from March 2025.
- Served as Vice President of Xi'an Jiaotong University Shenyang Book Club from 2023 to 2025.
- Served as the leader of the Xi'an Jiaotong University Intelligent Robotics Team from 2024 to 2025.
- Joined the research team of the Institute of Artificial Intelligence and Robotics of Xi'an Jiaotong University to engage in CPU cache driver design related work, including the application and simulation of cache pre-fetching technology since Feb 2023.

SKILLS

- ***ENGLISH*** Able to read scientific papers and daily books, write papers, and possess business communication skills.PASSED CET6(scored 565)
- ***GPU*** CUDA programming, with GPU parallel programming capabilities based on C language
- ***LINUX*** Be able to skillfully use the Linux system and deploy projects locally, be able to write shell script language, and be able to maintain and manage the server
- ***GIT*** Can fluently use GIT and GIT HUB for code version management and team collaboration, and has experience in team code development based on gittee
- ***EMBEDED*** Can perform embedded development on ARM systems (such as stm32 and TI), can use RTOS embedded systems, and has extensive competition experience
- ***CIRCUITS*** Use Cadence software to design, layout and simulate digital and analog integrated circuits
- ***PCB*** Ability to use electronic EDA software for PCB design and full process experience in outsourcing production and manual SMC
- ***CODE*** Be proficient in using Python for complex functional programming, and be proficient in using C/C++ for object-oriented and process-oriented programming
- ***LATEX*** Be proficient in using latex to write and typeset papers

ACHIEVEMENTS AND INTERESTS

- I participated in the **China University Student Mechanical Innovation Design Competition**, where I was responsible for the electronic control design and debugging of the automated agricultural machinery produced by the team. I mainly used embedded design and computer vision technology, and eventually won **the first prize** in the country in the year of 2024.
- I participated in the **ROBOCUP robot competition**, served as the team leader and coordinated with classmates majoring in mechanical engineering. By adopting embedded design technology, PCB electronic design, and computer vision, I finally designed a mobile irrigation robot with a three-degree-of-freedom robotic arm and automatic visual perception. In the final in November 2024, I won **the first prize** in the country.
- In August 2024, I participated in the **TI Cup of the Chinese college student electronic design competition**. I used the MSPM0 development board and gyroscope inertial navigation technology and PCB design from Texas Instruments to make an automatic situation car and won the provincial **second prize in the provincial competition**.
- I participated in the **China College Students Mathematics Competition** in September 2023. By using advanced mathematical knowledge such as calculus to solve the problems in the competition, I finally won **the provincial second prize** in the Shaanxi Provincial Competition.
- I independently conducted scientific research and exploration, designed the loss function ASRL in the field of machine learning, and submitted the research results to the 10th IEEE ICPS conference (which has been officially accepted). The paper is titled ”ASRL: A robust loss function with potential for development” and I am **the first author**.