

# FANQI SHEN

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## 🎓 EDUCATIONAL BACKGROUND

**Zhejiang University**, College of Computer Science and Technology, Software Engineering

**GPA/Ranking** GPA of professional courses: 4.71/5 GPA of all courses: 4.62/5 (ranking: 11/64)

**main courses** Calculus(97), Probability Theory(96), Digital Logic Design(95), Principles of Computer Systems(95), Fundamentals of Data Structure(95)

**English Score** IELTS: 6.5 (reading: 7.5 listening: 7.5 writing: 6.5 speaking: 5) CET-4/CET-6 passed

**Scholarship** Provincial Government Scholarship, Zhejiang University First Class Scholarship

## 📊 RESEARCH EXPERIENCE

**Time series applications** 2024.03 – 2024.05

*Research on EEG Large Model* DCD Lab of Zhejiang University

Implement a universal EEG big model that can solve practical problems in low shot situations

- Fine tune the model to migrate it to various downstream tasks
- Participate in model tuning, evaluation, and other processes

**Surgical video analysis website** 2024.03 – 2024.05

*Main person in charge* Lab: Zhejiang University real doctor Artificial Intelligence Research Center

AI assisted surgical review improves the achievement rate of safe vision

- Fine tune the sam track model to achieve corresponding surgical instruments and tissue segmentation
- Implement phased management of surgical videos, surgical scoring, and other functions
- Integrating claude3 and gpt4 APIs to achieve intelligent QA

**The Theory and Practice of Software Engineering** 2023.09 – 2024.05

*Main responsible person* Lab: Intelligent Computing and Software Center of Zhejiang University

Prompts engineering assisted software engineering code generation, software architecture anti-patterns

- Organize the current and code generation related prompts, and design SA prompt
- Fine tune the model and evaluate the generated code
- Participated in the research on software architecture anti patterns by Professor ZhiyuanWan

## ♡ AWARDS

The 9th Zhejiang International Internet+ Innovation and Entrepreneurship Competition **Gold Award** 2023.07

The 14th National College Student Mathematics Competition (Non Mathematics)**First Prize** 2023.01

*Versatile and Risk-Sensitive Cardiac Diagnosis through Graph-Based ECG Signal Representation*

*Core members* ACMMM 2024 Conference in operation 2024.04

Third Prize in the 2022 Zhejiang Province College Student Physics Innovation (Theory) Competition 2022.12

Third prize in the 2022 Zhejiang Province College Student Higher Mathematics Competition 2022.11

*Core members* The 8th Zhejiang International Internet+ Innovation and Entrepreneurship Competition (Silver Award) 2022.08

## 👥 SOCIAL WORK

- Five-star volunteer, outstanding group cadres, Director of New Media in Computer Science and Technology
- Media Department Head of the CS Student Union, Class Publicity and Culture-Sports Rep

## ☑ FUTURE PLANNING

In my senior year, I will join the research group to complete my graduation thesis. As a graduate student, I will read literature daily, actively engage in my mentor's research projects, aspire to publish my papers in core journals and conferences, and participate in high-quality internships and overseas exchange programs.