

Jiaer Huang

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Education

Zhejiang University

Sept. 2022 – Present

Computer Science

- **GPA:** 3.98 / 4.00
- **Main Courses:** Discrete Mathematics and Its Applications(100), Fundamental Data Structure(99), Fundamental Applied Operations Research(97), Object-Oriented Programming(97), B/S Architecture Software Design(96), Advanced Data Structure and Algorithm Analysis(95), Operating System(94)

Hangzhou No.2 High School

Sept. 2019 – June 2022

Projects

Dense Map Reconstruction Based on 3D Gaussian Splatting

Mar. 2024 – Present

Advisor: Zhaopeng Cui

- Proposed a novel 3D Gaussian Splatting-based dense mapping approach which combines strong generalization capabilities with high computational efficiency, enabling real-time reconstruction and rendering in large-scale scenes.
- Admitted to the National College Student Innovation and Entrepreneurship Training Program

Single-user SQL engine MiniSQL

May 2024 – June 2024

- Implemented a single-user SQL engine in a team of three
- Developed the execution plan generator, executor, and schema information management module
- Final result evaluated as Excellent

Honors & Awards

- **National Scholarship, Zhejiang University First Prize Scholarship** 2022–2023, 2023–2024
- **Gold Medal**, ACM/ICPC International Collegiate Programming Contest Xi'an 2023
- **Gold Medal**, China Collegiate Programming Contest Harbin 2023
- **Gold Medal**, The 20th Zhejiang Province *TuSimple Cup* College Student Programming Competition 2023
- **Gold Medal**, ACM/ICPC International Collegiate Programming Contest Jinan 2022

Leadership & Volunteer Experience

- **Volunteer**, Summer Teaching Volunteer and Social Practice Team to Pizhou, Jiangsu July 2024
- **President**, Photography Department, *Qiushi Trend* Student Organization May 2024 – Present
- **Class Monitor** May 2023 – Present

Skills & Interests

- **Language:** Mandarin(native), English(CET-6: 636)
- **Programming:** C/C++, Python, HTML/JavaScript/CSS, Latex, Typst
- **Interests:** Photography / Movies / Literature / Guitar / Basketball / Badminton / Tennis / Mahjong