

Chenxuan Cao

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Education

- 2021 – 2025 **B.E., Computer Science, CKC Honors College, Zhejiang University.**
Current GPA: 3.92 / 4.0. Rank: 12 / 113.
Major Courses: Mathematical Analysis, Linear Algebra, General Physics, Data Structures & Algorithms, Database System, Object-Oriented Programming, Computer Architecture, Computer Networks, Operating System, Theory of Computation, Fundamentals of Compiling (learning), Software Engineering (learning), Introduction to Deep Learning.

Research & Project Experiences

Research Experiences

- 2023.5 – 2024.5 **Zhejiang University Student Research Training Program**
Topic Name: General, One-Shot Style Transferring Image-to-Image Editing.
Introduction: Aims to improve the generation quality of one-shot one-on-one image fusion based on Stable Diffusion.
- 2023.12 – 2024.6 **CKC Honors College Deep Research Training Program**
Topic Name: Neural Network Image Interactive Editing Based on Diffusion Model.
Introduction: Aims to improve the generation quality by interactive editing (e.g. DragGAN) based on the Diffusion model. The project is still in the investigation stage.
- 2023.5 – **Interning in Prof. Xi Li's laboratory.**
Prof. Li's personal homepage: <https://person.zju.edu.cn/xilics>.

Projects (Part of Course Projects)

- 2022 **Real Time Recognition of Vacuum Equipment Readings based on MNIST**
The project has designed a physics experiment auxiliary program to identify the rapid flashing indicators on vacuum instruments without the need for manual recording.
- 2023 **MiniSQL** The Course Project for Database System. Implemented a simplified database system from instruction parsing to data storage.
- IoT Website** The Course Project for B/S Architecture Software Design. Built an IoT device management platform based on B/S architecture.

Skills

- Languages **Score 574 in CET-6, Still preparing for TOEFL; Mandarin Chinese.**
- Coding & Tools **C / C++, Java, Python, SQL, \LaTeX . Github/Git, Docker, Linux Shell.**

Awards

- 2022 **Zhejiang Provincial Government Scholarship**, Zhejiang Provincial Government.
First-Class Prize in Zhejiang Province College Student Physics Innovation (Theory) Competition, Zhejiang Physical Society.
- 2023 **Zhejiang University Third Class Scholarship**, Zhejiang University.