

FUZHENG GUO

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Education

Shandong University, BS in Computer Science Sept 2022 – Present

- GPA: 93.51/100 (Rank 1/103) ([Transcript](#))
- **Coursework:** Data Structures and Algorithms (98), Discrete Mathematics (98), JAVA Programming (100), High-Performance Computing (98), Software Engineering (98), Computer Organization and Architecture (97)

Experience

Research Assistant, Shandong University Sept 2023 – Aug 2024

- Annotated and curated a large-scale dataset of over 10,000 images, significantly improving model training effectiveness and generalization
- Developed an automated data augmentation tool, expanding the training dataset

Teaching Assistant, Shandong University Sept 2023 – Dec 2023

- Assisted in teaching Advanced Mathematics, including conducting tutorials and grading assignments.

Publications

Coming soon

Projects

YOLO-based Fitness Tracking System [Github](#)

- The system employs the YOLO-V8 algorithm to detect and classify different exercise movements, such as push-ups, squats, and weightlifting, in real-time from video or camera feed
- Tools Used: Python, Qt

One-Stop Shop for Computer Components [Github](#)

- Developed a recommendation engine using collaborative filtering, enabling personalized product suggestions for users based on their browsing and purchase history
- Tools Used: Java, Vue, SQL, Springboot

Additional Experience And Awards

Outstanding Student Award, Shandong University

First-Class Academic Scholarship, Shandong University

Second Prize, Electrical Engineering Cup Mathematical Modeling Competition

Technologies

Languages: C++, C, Java, Objective-C, C#, SQL, Golang, Python