Yuxin Tian

Gender: female   Birthday: 2003-02
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https://bomingwene.github.io/

Education

2021 – present   **undergraduate, Zhejiang University** Computer Science and Technology.
Thesis title: *Computer science and technology.*

Researches

Project Experience

1   2023.03-2023.05, "Minisql database management system," A streamlined single-user SQL engine, MiniSQL, was designed and implemented.

2   2023.09-2024.01, "Iot device management platform," This IoT device management platform uses React for the frontend, supported by Java Spring Boot for the backend, and MySQL for the database.

3   2023.09-present, "Augmented reality of cultural relics visual analysis," As the project leader in the SRTP undergraduate research training program, under the guidance of Professor Wu Yingcai, we've completed artifact fragment pre-processing, surface extraction, and 3D visualization. Our next step involves implementing a VR-based immersive interaction system.

4   2023.10-2023.12, "Visual analysis system for soccer tactics," The project utilizes data mining algorithms to extract tactical patterns and sequences from soccer match data, presenting team tactics in the 2017-18 Premier League using React for the front-end.

5   2024.01-2024.03, "Team-scouter: Simulative visual analytics of soccer player scouting," The project introduces a visual analytics method for soccer player scouting based on match simulation, utilizing a two-level match simulation framework and a visual analytics system called Team-Scouter to aid coaches and analysts in identifying potential players suitable for a team and comparing their historical and expected performances. The paper is currently under submission.

Skills

Languages	Strong reading, writing and speaking competencies for English, Mandarin Chinese. IELTS scores: 6.5(6).
Coding	Java, Python, C, Cpp, SQL, …
Web Dev	Html, css, JavaScript, React.
Misc.	Academic research, LaTeX typesetting and publishing.

Miscellaneous Experience

Awards and Achievements

2022   **Pacesetter of academic excellence**, Zhejiang University.

     Third-class Scholarship, Zhejiang University.

2023   **Pacesetter of academic excellence**, Zhejiang University.