ZHENG Kaisheng

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🌐 https://kaisheng-zheng.github.io/

Education

2021 – now   🔖 **B.E., Southern University of Science and Technology** Computer Science and Engineering.

Research Experience

Conference Proceedings

1   **K. S. Zheng** and ..., *"Automatic Unit Test Generation based on LLM,"* in *(under review)*, 2024.

Skills

Coding	🔖	Java, Python, R, MATLAB, SQL, LaTeX
Web Dev.	🔖	Springboot, Docker, Kubernetes
Misc.	🔖	Data insight and visualization, academic research, self-learning, design

Miscellaneous Experience

Awards and Achievements

2023   🔖 **Silver Medal (Member)** - International Genetically Engineered Machine competition (iGEM).

- Led modeling group.

- Provided insight and help the team understand the system

- Collaborated with wet lab group to use measurements of a part, device, or system to develop the model

2024   🔖 **Meritorious Winner (Top 10%)** - Interdisciplinary Contest in Modeling.

- Developed the core model about risk terrain mapping based on Random Forests predicting the outcome of regional development on preventing illegal wildlife poaching.

- World Bank WDI data, global GIS data, and wildlife trade data cleaning and preprocessing.

- Performed model sensitivity analysis.

Miscellaneous Experience (continued)

Gold Medal (Advisor) - International Genetically Engineered Machine competition (iGEM).

- Built modeling group.

- Introduced iGEM modeling concept, experience, the modeling group's tasks and key points of wiki writing.

- Ran protein structure estimation on Alphafold.

Student Work

2022-2023 **Director of the Design Center** of the 8th Southern University of Science and Technology Student Press.

- Organized departmental activities, including distributing work and offering tutorials in both offline and document forms.

- Coordinated inter-departmental issues.

- Served as the Art Editor for the 12th issue of the school magazine and the editor-in-chief for 12 (8 to 19) issues of the Cultural Monthly Report.