

# Yunfan Zhou

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## Education

**2020.09 – 2024.06**     **Chu Kochen Honors College, Zhejiang University**     **Computer Science**

- GPA:3.87/4.0(89.95/100); CET6(635)

## Honors

- 2021.11 – 2022.11: Scholarship of Zhejiang Provincial Government, twice
- 2021.11 – 2023.11: Scholarship of Zhejiang University, three times
- 2021.06, 2023.06: Outstanding Youth League Cadres of Zhejiang University, twice
- 2021.12: The First Prize of the 13th National College Mathematics Competition (Non-Math Major)
- 2022.01: The Second Prize of the 12th Zhejiang Provincial Physics Innovation Competition (Theory)

## Research experience

- 2023.02 – : **CopilotRCA: Interactive Visual Investigation of Allocation Anomalies Causes in Time-oriented Data**
  - With Shuhan Liu, advised by Prof. Yingcai Wu, at Interactive Data Group, Zhejiang University
  - Implement Dr. Capacity, an interactive visual analytic system that helps developers detect anomalies in cloud computing systems as well as analyze the root cause to mitigate failures in time.
  - Build the frontend of the system and write part of the paper.
- 2022.08 – 2023.04: **NL2Rigel: Interactive Table Synthesis with Natural Language**
  - With Yanwei Huang, advised by Prof. Yingcai Wu, at Interactive Data Group, Zhejiang University; the result has submitted to VIS 2023
  - Implement NL2Rigel, an interactive tool that assists users in synthesizing and improving tables from unstructured text with NL instructions
  - Explore data transformation ability of GPT-3.5, build the frontend of the system, improve part of the backend, participate in user study and demo recording
- 2022.01 – 2022.08: **Data collection by convolutional neural network to extend the vacuum teaching experiment**
  - Advised by Prof. Yuan Zheng, at Teaching Center for Experimental Physics of Zhejiang University
  - Develop a program to recognize numbers displayed on vacuum gauges to collect experimental data automatically
  - Take part in preprocessing the images, constructing a training dataset, testing and refining code, and part of paper writing

## Publication

- Yanwei Huang, **Yunfan Zhou**, Ran Chen, Changhao Pan, Xinhuan Shu, Di Weng, Yingcai Wu. Interactive Table Synthesis with Natural Language. In IEEE Transactions on Visualization and Computer Graphics, 2023.
- Bo Peng, Shanggang Du, **Yunfan Zhou**, Yuan Zheng, Yewu Wang. Data collection by convolutional neural network to extend the vacuum teaching experiment. In Physics Experimentation, Vol.43 No.3., Mar., 2023.

## Programming ability

- Skills: C, C++, HTML, CSS, Javascript, Python.
- Frontend: Vue.js, React.js, Snap.js, Konva.js, etc.
- Backend: Express.js
- Simple convolutional neural network built by Pytorch.