# Gefei Zhang

**Email**: gopherzhang@163.com          **GitHub**: Gopher943          **Phone**: 18368006700

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| Research interests | Data Visualization, Human Computer Interaction, and Education Technology. |

### Education

**Zhejiang University of Technology**          Hangzhou, China
Ph.D. candidate in Computer Science and Technology          Oct. 2021 – Present
Mentors: Prof. Ronghua Liang and Prof. Guodao Sun.

**Zhejiang University of Technology**          Hangzhou, China
B.A. in Educational Technology          Sept. 2017 – Jun. 2021
Mentors: Prof. Jihong Ding.

### Honors and scholarships

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| Meritorious Doctoral Scholarship | 2021-2023 |
| Best Survey Award at ChinaVis | 2022 |
| Scholarship for Freshmen of Zhejiang University of Technology | 2021 |
| Outstanding Graduates of Zhejiang University of Technology | 2021 |
| 2nd Prize of the Changsanjiao Teacher Training Students' Basic Teaching Skills Competition | 2020 |
| Scholarships of Zhejiang Province | 2018-2020 |

### Publications

**Towards a Better Understanding of the Role of Visualization in Online Learning: A Review**
**Gefei Zhang**, Zihao Zhu, Sujia Zhu, Ronghua Liang, Guodao Sun*.
*Visual Informatics, 2022, 6(4), 22–33.*
🏅 ChinaVis 2022 Best Survey Paper

**Application of Mathematical Optimization in Data Visualization and Visual Analytics: A Survey**
Guodao Sun, Zihao Zhu, **Gefei Zhang**, Chaoqing Xu, Yunchao Wang, Sujia Zhu, Baofeng Chang, Ronghua Liang*.
*IEEE Transactions on Big Data, 2023, 9(4), 1018-1037.*

**Towards Better Pattern Enhancement in Temporal Evolving Set Visualization**
Zihao Zhu, Yue Shen, Sujia Zhu, **Gefei Zhang**, Ronghua Liang, Guodao Sun*.
*Journal of Visualization, 2023, 26(3), 611-629.*

**Construction of a Quality Assessment Indicator System for Engineering Courses in the Context of Double First Class.**
Jihong Ding, **Gefei Zhang**.

*First Prize of Zhejiang Polytechnic University's Construction of First-Class Undergraduate Essay Competition, 2020(Paper).*

**A Design Space for Knob-based Force Feedback Interaction**
**Gefei Zhang**, Zifeng Sun, Guodao Sun.
*China Visualization and Visual Analytics Conference, 2023(Poster).*

**A Review of Mathematical Programming Model in Information Visualization**
Zihao Zhu, **Gefei Zhang**, Guodao Sun.
*China Visualization and Visual Analytics Conference, 2021(Poster).*

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| Industry experience | **Hangzhou Xiaoshan Technician College**          Hangzhou, China |

**Hangzhou Xiaoshan Technician College**                    Hangzhou, China
Deputy head teacher                    Sept. 2020 -Dec. 2020
Worked as a teacher on the digital media programme, assisting the classroom teacher in managing and teaching the students.

Talks and tutorials

**ChinaVis 2023, Chongqing, China**                    July. 2023
*Poster Presentation*: A Design Space for Knob-based Force Feedback Interaction

**ChinaVis 2022, Xining, China**                    July. 2022
*Paper Presentation*: Towards a Better Understanding of the Role of Visualization in Online Learning: A Review

Skills

**Programming**
Python, JavaScript, HTML5

**Development**
Git, D3.js

**Languages**
Chinese Mandarin (native), English (fine)