# Yanwei Huang

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|---|---|---|
| **EDUCATION** | **Zhejiang University**, Hangzhou, China | |

- M.S. in Software Engineering — Sep 2022 – Now
  - Cumulative GPA: 92.36 / 100

- B.S. in Computer Science — Sep 2018 – Jun 2022
  - Cumulative GPA: 3.91 / 4

**RESEARCH EXPERIENCE**

**Data Interaction Group**, **Carnegie Mellon University** — Jul 2024 – Now

- Supervisor: AProf. Adam Perer and Prof. Jason I. Hong
  - Focus: Sensemaking and auditing of large language models

**Interactive Data Group**, **Zhejiang University** — Jun 2021 – Now

- Supervisors: Prof. Yingcai Wu and AProf. Di Weng
  - Projects: Rigel, NL2Rigel, and Table Illustrator
  - Focus: Designing user-friendly table wrangling interfaces for average data practitioners

**INTERESTS**

Visualization, Generative AI, Data Science, UI design, and human-computer interaction

**PUBLICATIONS**

**UNDER REVIEW**

[-] Y. Huang, Y. Miao, D. Weng, A. Perer, and Y. Wu, "StructVizor: Interactive profiling of semi-structured textual data," *CHI 2025, Under review*.

**FIRST-AUTHOR PAPERS**

[1] Y. Huang, Y. Yang, X. Shu, R. Chen, D. Weng, and Y. Wu, "Table Illustrator: Puzzle-based interactive authoring of plain tables," *CHI 2024*.

[2] Y. Huang, Y. Zhou, R. Chen, C. Pan, X. Shu, D. Weng, and Y. Wu, "Interactive Table Synthesis with Natural Language," *IEEE Trans. Visualization & Comp. Graphics*, 2023.

**OTHER PAPERS**

[3] R. Chen, D. Weng, Y. Huang, X. Shu, J. Zhou, G. Sun, and Y. Wu, "Rigel: Transforming Tabular Data by Declarative Mapping," *IEEE Trans. Visualization & Comp. Graphics (Proc. VIS)*, Jan 2023.

[4] M. Wu, L. Jiang, J. Xiang, Y. Huang, H. Cui, L. Zhang, and Y. Zhang, "One Fuzzing Strategy to Rule Them All," in *International Conference on Software Engineering (ICSE)*, May 2022.

**AWARDS & SCHOLARSHIPS**

- National Scholarship — 2024
- Outstanding Graduate Award, Zhejiang University — 2023
- Yongping Scholarship — 2022
- China Collegiate Programming Contest, Bronze Medal — 2019

**INTERNSHIPS**

**Frontend Engineer Internship**, ByteDance Inc., Shanghai, China — Feb 2021 – Jun 2021

- Collaborate with Lark Suite
  - Participated in developing Lark frontend

**SERVICES**

- Reviewer: ACM CHI, IEEE VIS, IEEE PacificVis Journal Track, ChinaVIS
- Teaching Assistant: C Programming, Seminars for Mixed-class Students

**LANGUAGES**

Fluent English (TOEFL: 108)

**SKILLS**

- Web development (React, Vue, TypeScript)
- Data visualization (D3, Vega, Seaborn)
- Native Development (Python, C/C++, Java)
- UI Design (Adobe Illustator, Figma)