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
  - Focus: Sensemaking and application 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, UI design, and human-computer interaction

PUBLICATIONS

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

- Outstanding Graduate Award, Zhejiang University — 2023
- University Scholarships, Zhejiang University — 2018 – 2023
- 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

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)

[CV compiled on 2024-07-03]