

Manling YANG

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- Education** **Hong Kong University of Science and Technology (Guangzhou)** Sep. 2023 – Present
MPhil student of Computational Media and Arts
Mentors: Prof. Wei Zeng, Prof. Luwen Yu
Postgraduate Studentship (PGS) - CNY 10,000/month (Sep. 2023 - Aug. 2025)
- Chongqing University** Sep. 2019 – Jun. 2023
B.Eng. in Electronic Information Engineering
Mentors: Prof. Jinglan Ou, Prof. Li Liu
- Publications** **Dashboard Vision: Using Eye-Tracking to Understand and Predict Dashboard Viewing Behaviors** [J2](#)
Manling Yang, Yihan Hou, Ling Li, Remco Chang, and Wei Zeng.
IEEE Transactions on Visualization and Computer Graphics, 2025. *Accepted*.
- GenColor: Generative Color-Concept Association in Visual Design** [P2](#)
Yihan Hou, Xingchen Zeng, Yusong Wang, **Manling Yang**, Xiaojiao Chen, Wei Zeng.
under review - ACM CHI'25 Second Round
- FinFlier: Automating Graphical Overlays for Financial Visualizations with Knowledge-Grounding Large Language Model** [J1](#)
Jianing Hao, **Manling Yang**, Qing Shi, Yuzhe Jiang, Guang Zhang, Wei Zeng.
IEEE Transactions on Visualization and Computer Graphics, 2025. *Accepted*.
- C2Ideas: Supporting Creative Interior Color Design Ideation with Large Language Model** [C2](#)
Yihan Hou, **Manling Yang**, Hao Cui, Lei Wang, Jie Xu, and Wei Zeng.
Proceedings of The ACM CHI Conference on Human Factors in Computing Systems (CHI), 2024.
- A Survey of Computer Vision-Based Fall Detection and Technology Perspectives** [C1](#)
Manling Yang, Xiaohu Li, Jiawei Liu, Shu Wang, and Li Liu.
CCF Conference on Computer Supported Cooperative Work and Social Computing (ChineseCSCW), 2022.
- Research** **Tufts University** Advised by Prof. [Remco Chang](#)
Experience Visual Analytics Laboratory Dec. 2023 – present
- Led an eye-tracking study involving over 60 participants, constructing the corresponding dataset.
 - Analyzed and recovered human viewing behaviors on dashboard objects and layout designs.
 - Developed a saliency model with innovative structure integrates both elements and layout information. [J2](#)
- Hong Kong University of Science and Technology** Advised by Prof. [Wei Zeng](#)
Collaborative Interactive Visualization & Analysis Lab Sep. 2022 – present
- Surveyed graphic overlay patterns and their interplay with text, contributing to the dataset construction and paper writing. [J1](#)
 - Contributed to developing a creative interior color design tool powered by an intent-aligned, domain-specific large language model. [C2](#)
 - Assisted in communicating with designers, constructing the Designers' Coloring Dataset, and writing the paper's evaluation section. [P2](#)
- Chongqing University** Advised by Prof. [Li Liu](#)
IOT & Motion Big Data Lab Apr. 2022 – Jun. 2023

- Participated the research of human fall detection using causal learning from time-series data.
- Conducted a survey on human fall detection based on computer vision techniques. [C1](#)

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| Teaching Experience | Teaching Assistant School of Microelectronics and Communication Engineering, Chongqing University Course name: Digital Electronic Technology | Fall 2022 |
| Work Experience | Research Assitant in CIVAL Lab The Hong Kong University of Science and Technology (Guangzhou) Assisted with paper submission for ACM CHI'24, including dataset construction, experimental design, data analysis and collaborative writing. | Jun. 2023 – Aug. 2023 |
| Scholarship | Comprehensive Scholarship (2nd Class), Chongqing University Comprehensive Scholarship (3rd Class), Chongqing University Exchange Program Scholarship, Chongqing University | 9/2022 3/2023 8/2021 |
| Service | Student Volunteer, VINCI 2023 | Sep. 2023 |
| Skills | Programming: Python, MATLAB, Latex. Software: Figma, Illustrator. Computing: PyTorch, Tensorflow, Sklearn, Numpy, Pandas, etc. | |