Yuchen (Angelo) Wu   website

CONTACT INFORMATION

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RESEARCH INTERESTS

Human-Computer Interaction (HCI) & Data Visualization, Spatial Computing, Visual Analytics, Multimodal Communication

EDUCATION

ShanghaiTech University, Shanghai, China

B.Eng. in Computer Science (Major), Interaction Design (Minor)

Sept. 2021 - Jun. 2025 (expected)

Advisor: Quan Li   GPA: 3.56/4.0 (Until Sept. 2024), Ranked first 34%

ACADEMIC EXPERIENCE

ShanghaiTech University, Shanghai, China

Undergraduate Research Assistant (Advisor: Quan Li)   May. 2023 - Present

Participate in multiple research projects, establishing a solid HCI research foundation:

- *Trinity*: Supporting Academic Oral Presentation with delivery channels synchronized;
- *DancingBoard*: Streamlining Motion Comic creation process;
- UPinch: Exploring Unaligned Gaze-Hand coordination selection techniques in Mixed Reality.

PUBLICATIONS

Chenyang Zhang*, Tiansu Chen*, Eric Shaffer, Elahe Soltanaghai. FocusFlow: 3D Gaze-Depth Interaction in Virtual Reality Leveraging Active Visual Depth Manipulation. In *The ACM CHI conference on Human Factors in Computing Systems*.
CHI 2024 · Full Paper

Chenyang Zhang*, Tiansu Chen*, Rohan Nedungadi, Eric Shaffer, Elahe Soltanaghai. FocusFlow: Leveraging Focal Depth for Gaze Interaction in Virtual Reality. In *The ACM Symposium on User Interface Software and Technology*.
UIST 2023 · Demo

Yuchen Wu, Yuansong Xu, Shenghan Gao, Xingbo Wang, Wenkai Song, Zhiheng Nie, Xiaomeng Fan, Quan Li. LiveRetro: Visual Analytics for Strategic Retrospect in Livestream E-Commerce. In *IEEE Transactions on Visualization and Computer Graphics (VIS 2023 Conf.)*.
VIS 2023 · Full Paper

Yang Ouyang, **Yuchen Wu**, He Wang, Chenyang Zhang, Furui Cheng, Chang Jiang, Lixia Jin, Yuanwu Cao, Quan Li. Leveraging Historical Medical Records as a Proxy via Multimodal Modeling and Visualization to Enrich Medical Diagnostic Learning. In *IEEE Transactions on Visualization and Computer Graphics*.
VIS 2024 · Full Paper

He Wang, Yang Ouyang, **Yuchen Wu**, Chang Jiang, Lixia Jin, Yuanwu Cao, Quan Li. KMTLabeler: An Interactive Knowledge-Assisted Labeling Tool for Medical Text Classification. In *IEEE Transactions on Visualization and Computer Graphics*.
TVCG 2024

CONFERENCE PRESENTATIONS

PromotionLens: Inspecting Promotion Strategies of Online E-commerce via Visual Analytics.
VIS 2022, Oklahoma City, Oklahoma, USA.

FEATURED SERVICES PROJECTS

ShanghaiTech University, Shanghai, China
Teaching Assistant

- Studio 3: Interactive Design (with lab)   Spring 2023, 2024

- Human Factors & Ergonomics   Fall 2023
- Human-Computer Interaction   Spring 2024

SKILLS

Computer Science: HCI, AI&ML, Web Programming, Data Visualization, Hardware Programming, Application Development, Data Mining.

Design: Human-Centered Design, Interaction Design & Prototyping, Graphic Design, Video Editing, 3D Modeling.

HCI Research: Quantitative & Qualitative Research, User Study, Interview, Iterative Design.

Softwares: Figma, Adobe Illustrator, Adobe PS, Adobe Pr, GraphPad Prism, Blender.

Programming: Python (Basics, DS Libraries & PyTorch), C/C++, Frontend (JavaScript, Vue, HTML, CSS), Arduino C, SQL, Kotlin, Assembly (RISC-V), Matlab.

Languages: Chinese (Mandarin; native), English (fluent, TOEFL 105/120), Japanese (beginner). Visualization, LaTeX.