Yishu Ji

☐ +86 13691542939 • ✉ jiys19@mails.tsinghua.edu.cn

🌐 yishu-ji.github.io

Education

Tsinghua University   **August 2019 – July 2024**
  B.Eng. in Industrial Engineering   *GPA: 3.83/4.0*
  Minor in Psychology
Cornell University   **January 2023 – May 2023**
  Exchange Program in Information Science   *GPA: 4.11/4.0*

Publications

Zhipeng Li, **Yishu Ji**, Ruijia Chen, Tianqi Liu, Yuntao Wang, Yuanchun Shi, Yukang Yan. **"Modelling Effects of Visual Attention on Noticeability of Body-Avatar Offsets in Virtual Reality"**. [In submission to: *The 2024 CHI Conference on Human Factors in Computing Systems*]

Research Experience

Tsinghua Pervasive Human Computer Interaction Lab   **July 2022 – September 2023**
Research Assistant, advised by *Dr.Yukang Yan* and *Prof.Yuanchun Shi*
○ **Goal: To model the noticeability of User-Avatar movement under VR settings.**
○ Designed and developed the experiment platform using **Unity 3D**.
○ Conducted the user study, and further analyzed the experiment data.

Cornell CIS Artifact Lab   **April 2023 – Present**
Research Assistant, advised by *Prof.Jeff Rzeszotarski*
○ **Goal: To develop novel tools with LLMs that could perform automatic data analysis and visualization generation**
○ Performed prompt tuning on the LLMs.
○ Modeled the behavioral process of performing data exploration.
○ Designed the user study, and built up an embedded experiment platform inside Jupyter Lab.

Course Projects

"Theory and Practice of HCI" Course – Final Project
○ Developed a shortcut for scanning and uploading files based on gesture interaction.

"HCI Theory and Technology" Course – Final Project
○ Built up an APP to classify and recommend photos according to the context information.

"INFO4400 Qualitative User Research and Design Methods" Course – Final Project
○ Conducted a meta-research to help junior UX designers foster empathy with their users.
○ The project won the "Most Thoughtful Research Project Award".

"User Experience Design" Course – Final Project
○ Conducted a study about user's bullet chatting behaviors on the video platform "Bilibili".

"Modern Human Factors" Course – Final Project
○ Designed an APP prototype to enhance user experience of on-campus workout in Tsinghua.

"Machine Learning and Big-Data" Course – Final Project
○ Developed and trained a RNN for error prediction in wind turbines.

Awards

Tsinghua University The Comprehensive Excellence Scholarship   **Oct 2020, 2022, 2023**

Tsinghua University "December 9th" Scholarship   **Oct 2021**
○ The highest scholarship for Tsinghua sophomores.

Skills

Programming Skills
- Basic programming language (C, Python etc.)
- Typesetting system (Latex)
- Applied statistics and data analysis (R, SPSS)
- Database system (SQL)

Design and Experiment Skills
- Human factor and human-centered design
- User study design and implement
- Qualitative and quantitative research methods

Data Processing and Statistical Analysis
- Applied statistics and data analysis (SPSS, R)

Community Invlovement

Tsinghua Student Art Trope – Member   **Sep 2019 – Present**

Student Union of IE Department – Minister of Diplomacy   **Dec 2021 – Dec 2022**