

Yuwei Xiao

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EDUCATION

University of California, Los Angeles
Ph.D in Computer Science
Advisor: Eunice Jun

Los Angeles, California, USA
September 2024 - Present

Southern University of Science and Technology
Bachelor of Engineering in Computer Science

Shenzhen, Guangdong, China
September 2020 - July 2024

RESEARCH INTERESTS

Human-Computer Interaction, Data Visualization, Sense-making, Human-AI Collaboration, Knowledge Management

RESEARCH EXPERIENCE

University of California, Los Angeles - Computation & Discovery Lab

Los Angeles, California, USA
2024 - Present

Graduate Research Assistant

Mentor: Eunice Jun

Developing visualization-driven interactive systems to support belief-driven data analysis and intention-aware academic reading, enabling users to externalize, refine, and act on their knowledge.

University of California, San Diego - Data Smith Lab

La Jolla, California, USA
2023

Undergraduate Research Assistant

Mentor: Haojian Jin

Developed an interactive visualization tool that enables users to probe the internal states of black-box IoT devices and build accurate mental models of their behavior.

Southern University of Science and Technology - Database Group

Shenzhen, Guangdong, China
2022 - 2023

Undergraduate Research Assistant

Mentor: Qiaomu Shen

Developed algorithms for space-efficient and logic-preserving visualization of temporal directed acyclic graphs as Gantt charts to support analysis of distributed query executions.

PUBLICATIONS

[P2] **Xiao, Y.**, Ma, S., Oulasvirta, A., & Jun, E. (2025). PriorWeaver: Prior Elicitation via Iterative dataset Construction. arXiv preprint arXiv:2510.06550. [\[paper\]](#) (Under Review)

[W1] **Xiao, Y.**, Pai, O., Roysar, B., Shi, M., & Jun, E. (2025). Demonstration of ReadFlect: Scaffolding Intent-driven, Multi-session, and Reflective Reading of Academic Papers. In Adjunct Proceedings of the 38th Annual ACM Symposium on User Interface Software and Technology (pp. 1-4). [\[paper\]](#)

[P1] Sun, W.*, **Xiao, Y.***, Jin, H., & Bharadia, D. (2023). On the Feasibility of Reasoning about the Internal States of Blackbox IoT Devices Using Side-Channel Information. arXiv preprint arXiv:2311.13761. [\[paper\]](#)

TEACHING EXPERIENCE

CS 202: Computer Organization, Southern University of Science and Technology

Spring 2023

CS 109: Introduction to Computer Programming, Southern University of Science and Technology

Spring 2023

SERVICE

CHI Student Volunteer - 2025

INDUSTRY EXPERIENCE

Tapall.AI

Shenzhen, Guangdong, China
2023

Software Engineer Intern

Developed a multi-modal user interface for video authoring.