

Meng Chen

Curriculum Vitae

✉ mengchen@utexas.edu // 🌐 meng-chen.com // 🐦 [@mengchen_24](https://twitter.com/mengchen_24)

GDC 3.802B
Austin, TX 78712

Research Interests

Human-Computer Interaction, Human-AI Interaction, Human-centered AI
Multimodal Large Language Models, Agents, End-user Programming, Creativity, Accessibility

Education

- 2024-Now **The University of Texas at Austin, Austin, TX**
Ph.D. in Computer Science
Advisor: Amy Pavel
- 2020-2024 **University of Notre Dame, South Bend, IN**
B.S. *summa cum laude* in Computer Science, Philosophy
Advisor: Toby Jia-Jun Li

Research Experience

- 2024-Now **The University of Texas at Austin, Austin, TX**
Graduate Researcher
Supervisor: Amy Pavel
- 06-09/2023 **UC San Diego Design Lab, La Jolla, CA**
Visiting Researcher
Supervisor: Haijun Xia
- 2021-2024 **University of Notre Dame, South Bend, IN**
Undergraduate Research Assistant
Supervisor: Toby Jia-jun Li

Publications ([Google Scholar](#))

† Equal contribution

Conference Proceedings

- C5 **Meng Chen**, Akhil Iyer, and Amy Pavel. [Surfacing Variations to Calibrate Perceived Reliability of MLLM-generated Image Descriptions](#). In *Proceedings of the 27th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS 2025)*.

- C4 Aadit Barua[†], Karim Benharraq[†], **Meng Chen**, Mina Huh, and Amy Pavel. **Lotus: Creating Short Videos From Long Videos With Abstractive and Extractive Summarization**. In *Proceedings of the 30th International Conference on Intelligent User Interfaces (IUI 2025)*.
- C3 Ningzhi Tang[†], **Meng Chen**[†], Zheng Ning, Aakash Bansal, Yu Huang, Collin McMillan, and Toby Jia-Jun Li. **Developer Behaviors in Validating and Repairing LLM-Generated Code Using IDE and Eye Tracking**. In *Proceedings of the 2024 IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC 2024)*.
- C2 Sangho Suh[†], **Meng Chen**[†], Bryan Min, Toby Jia-Jun Li, and Haijun Xia. **Luminate: Structured Generation and Exploration of Design Space with Large Language Models for Human-AI Co-Creation**. In *Proceedings of the 2024 ACM Conference on Human Factors in Computing Systems (CHI 2024)*.
- C1 Toby Jia-Jun Li, Yuwen Lu, Jaylexia Clark, **Meng Chen**, Victor Cox, Meng Jiang, Yang Yang, Tamara Kay, Danielle Wood, and Jay Brockman. **A Bottom-Up End-User Intelligent Assistant Approach to Empower Gig Workers against AI Inequality**. In *Proceedings of the 1st Symposium on Human-Computer Interaction for Work (CHIWORK 2022)*.

Extended Abstracts, Demos, & Workshops

- W3 **Meng Chen** and Amy Pavel. **TaskArtisan: Flexible Authoring and Manipulation of Task-specific Interactive Widgets via Sketch and Voice**. In *Adjunct Proceedings of the 38th Annual ACM Symposium on User Interface Software and Technology (UIST 2025 Adjunct)*.
- W2 Ningzhi Tang[†], Junwen An[†], **Meng Chen**, Aakash Bansal, Yu Huang, Collin McMillan, and Toby Jia-Jun Li. **CodeGRITS: A Research Toolkit for Developer Behavior and Eye Tracking in IDE**. In *Proceedings of the 2024 IEEE/ACM 46th International Conference on Software Engineering: Companion Proceedings (ICSE-Companion 2024)*.
- W1 Ningzhi Tang[†], **Meng Chen**[†], Zheng Ning, Aakash Bansal, Yu Huang, Collin McMillan, and Toby Jia-Jun Li. **An Empirical Study of Developer Behaviors for Validating and Repairing AI-Generated Code**. In *13th Annual Workshop on the Intersection of HCI and PL (PLATEAU 2023)*.

Selected Honors & Awards

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| 2025 | Notre Dame-IBM Technology Ethics Lab Award (\$60,000) |
| 2024 | Outstanding Computer Science Senior Award , <i>University of Notre Dame</i> |
| 2024 | 2nd Place (\$2,000), <i>Hesburgh Libraries Hackathon</i> |
| 2023 | Tau Beta Pi Honor Society |
| 2023 | Best Insight Award (\$1,000), <i>American Statistical Association DataFest</i> |
| 2022 | Best Visualization Award (\$1,000), <i>American Statistical Association DataFest</i> |
| 2020-2024 | Stamps Scholar (4-year full-ride scholarship + \$12,000) |
| 2020 | Greater China Scholar , <i>University of Notre Dame</i> |

Invited Talks

- T2 Surfacing Uncertainty in Image Descriptions**
 CMU Accessibility Lunch Seminar
Virtual. Nov. 17, 2025
- T1 Structured Generation and Exploration of Design Space with LLMs for Human–AI Co-Creation**
 HKUST (GZ) Computational Media and Arts
Virtual. Aug. 7, 2024
- Notre Dame NL+ Seminar
Notre Dame, IN. Nov. 27, 2023

Teaching & Mentoring

Teaching Assistant

SP 2025 **CS 378: Introduction to Human-Computer Interaction**, UT Austin
 FA 2023 **CSE 30151: Theory of Computing**, University of Notre Dame

Student Mentored

2025 **Akhil Iyer** (B.S. in CS at UT Austin)
 Ujjaini Das (B.S. in CS at UT Austin → SWE at Apple)
 2024 **Aadit Barua** (B.S. in CS and Mathematics at UT Austin)

Service

Program Committee

IUI 2025-26

Reviewer (10+ papers)

CHI 2025-26
 IUI 2025-26
 IEEE VIS 2025
 CHI LBW 2023-25

Student Volunteer

UIST 2024

Community & Institutional Service

STEM Muse Mentorship Program — Mentor
 University of Notre Dame International Student Advisory Board — Communications Director

Technical Skills

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| Languages | C/C++, Python, Java, HTML/CSS/JavaScript, TypeScript, SQL, and others |
| LLM Dev | LangChain, OpenAI API, Claude API, HuggingFace, Together AI, and others |
| Libraries | PyTorch, React, Node.js, d3.js, Flask, Scikit-learn, Numpy, SciPy, and others |
| UI/UX | Figma, Miro, Quant./Qual. Data Analysis, Participatory Design, and others |

Last updated: October 11, 2025