

# Meng Chen

## *Curriculum Vitae*

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## 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

- C1     **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)*.

- C2 Aadit Barua<sup>†</sup>, Karim Benharraq<sup>†</sup>, **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 Sangho Suh<sup>†</sup>, **Meng Chen**<sup>†</sup>, 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)*.
- C4 Ningzhi Tang<sup>†</sup>, **Meng Chen**<sup>†</sup>, 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)*.
- C5 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

- W1 **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<sup>†</sup>, Junwen An<sup>†</sup>, **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)*.
- W3 Ningzhi Tang<sup>†</sup>, **Meng Chen**<sup>†</sup>, 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

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

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

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Last updated: October 11, 2025