

ALYSSA HWANG

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Modified: December 18, 2025

Detail-oriented, imaginative, teamwork-driven PhD graduate seeking roles in UXR, AI/HCI research, PM, AI strategy, or consulting. Experienced with user research, mixed-methods analysis, and AI-driven products.

EDUCATION

University of Pennsylvania	Philadelphia, PA
<i>PhD</i> in Computer and Information Science	Dec 2025
<i>MS</i> in Computer and Information Science	Dec 2023
<i>Advisors:</i> Boon Thau Loo, Andrew Head	
<i>Thesis:</i> User Interfaces for Fine-grained Integration of Information	

Columbia University	New York, NY
<i>BS</i> in Computer Science	May 2020
<i>Advisor:</i> Kathleen McKeown	
<i>Thesis:</i> Towards Augmenting Lexical Resources for Slang and African American English	

SELECTED HONORS

OpenAI DevDay Invited Attendee	Nov 2023
Penn Engineering Outstanding Service Award	May 2023
Amazon Alexa Taskbot Competition Finalist Team	Feb 2022
National Science Foundation Graduate Research Fellowship	April 2020

SELECTED PUBLICATIONS, ARTICLES, AND PREPRINTS

- Interactive Figure-Text Integration at Document Scale. **Alyssa Hwang**, Hita Kambhamettu, Yue Yang, Ajay Patel, Joseph Chee Chang, Andrew Head. *In preparation*.
- Ivie: Lightweight Anchored Explanations of Just-Generated Code. Litao Yan, **Alyssa Hwang**, Zhiyuan Wu, Andrew Head. [CHI 2024](#).
- Grounded Intuition of GPT-Vision's Abilities with Scientific Images. **Alyssa Hwang**, Andrew Head, Chris Callison-Burch. [arXiv preprint](#).
- Rewriting the Script: Adapting Text Instructions for Voice Interaction. **Alyssa Hwang**, Natasha Oza, Chris Callison-Burch, Andrew Head. [DIS 2023](#).

INVITED TALKS

Google A Principled Approach to Developing Grounded Intuition of Generative Models	Apr 2024
Columbia NLP Seminar Human-Centered Opportunities for Natural Language Processing	Apr 2024
Women in Data Science @ Penn Human-centered AI Research and Design	Feb 2024

SELECTED MEDIA AND IMPACT

- AI's Hidden Challenges: A Conversation with Alyssa Hwang, [Tapping In](#) podcast (S3E4).
- Wider Perspectives, [Kent Place Magazine](#) (cover story).
- A Peak into the Future of Visual Data Interpretation, [Penn Today](#).
- As OpenAI's Multimodal API Launches Broadly, Research Shows It's Still Flawed, [TechCrunch](#).
- Rewriting the Script: Developing Effective AI Assistants, [Penn Engineering Today](#).

PROFESSIONAL AND TEACHING EXPERIENCE

Amazon Web Services <i>Applied Scientist Intern</i> Comprehend	Summer 2022
Google <i>Software Engineering Intern</i> Search, Assistant, Shopping/NLU	Summers 2019, 2020, 2021
University of Pennsylvania <i>Head Teaching Assistant</i> CIS 3990 Introduction to HCI	Fall 2022
University of Pennsylvania <i>Teaching Assistant</i> CIS 5300 Computational Linguistics	Fall 2021