

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

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| University of Pennsylvania | Philadelphia, PA |
| PhD in Computer and Information Science | Dec 2025 |
| MS 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 |
| BS 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

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| 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

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| 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

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