Andre Ye

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research interests: human-AI interaction, AI for philosophy + thought

education

University of Washington Sep. 2021 – Jun. 2025
B.S., Computer Science. B.A., Philosophy with Honors. Minors: Mathematics, History.
Computer Science faculty advisors: Amy X. Zhang, Ranjay Krishna. Philosophy faculty advisor: Rose Novick.

experience

Undergraduate Researcher advised by Amy X. Zhang, Ranjay Krishna   **Social Futures Lab, RAIVN**
Collaborated with PhD students and faculty in the department and beyond to lead projects   **University of Washington**
in topics spanning computer vision, HCI, and philosophical aspects of AI.   *Feb. 2022 - Present*

Research Intern advised by Andrew Seagraves   **Deepgram**
Developed more data-efficient methods for audio transcription models.   *Jun. 2022 - Sep. 2022*

Research Assistant advised by Behzad Najafian   **Najafian Lab**
Developed model architecture, training, and inference specialized for prediction of   **UW Medicine**
specialized structures in the kidney.   *Mar. 2021 - May 2022*

research + writing

Articles   *equal contribution

[P1]: **Andre Ye**, Quan Ze Chen, and Amy Zhang. "Confidence Contours: Uncertainty-Aware Annotation for Medical Semantic Segmentation." In the Eleventh AAAI Conference on Human Computation and Crowdsourcing (HCOMP), Nov. 2023. Honorable Mention for Best Paper Award. Delft, Netherlands. arXiv, slides, poster

[P2]: Mark Pock*, **Andre Ye***, Jared Moore. "LLMs grasp morality in concept." NeurIPS Moral Psychology and Moral Philosophy Workshop, Dec. 2023. arXiv, poster

[P3]: Taylor Sorensen, Jared Moore, Jillian Fisher, Mitchell Gordon, Niloofar Mireshghallah, Christopher Michael Rytting, **Andre Ye**, Liwei Jiang, Ximing Lu, Nouha Dziri, Tim Althoff, Yejin Choi. "A Roadmap to Pluralistic Alignment". In the Proceedings of the Forty-first International Conference on Machine Learning (ICML), Jul. 2024. Vienna, Austria. arXiv

[P4]: **Andre Ye**, Jared Moore, Rose Novick, Amy Zhang. "Language Models as Critical Thinking Tools: A Case Study of Philosophers." In the Proceedings of the First Conference on Language Modeling (COLM), Oct. 2024. Philadelphia, Pennsylvania. arXiv

[P5]: **Andre Ye**, Sebastin Santy, Jena D. Huang, Amy Zhang, Ranjay Krishna. "Computer Vision Datasets and Models Exhibit Cultural and Linguistic Diversity in Perception." In the Proceedings of Computer Vision and Pattern Recognition (CVPR), Jun. 2025. Nashville, Tennessee. arXiv

[P6]: Andrew Shaw*, **Andre Ye***, Ranjay Krishna, Amy Zhang. "Agonistic Image Generation: Unsettling the Hegemony of Intention". In the Proceedings of ACM Fairness, Accountability, and Transparency (FAccT), Jun. 2025. Athens, Greece. arXiv

[P7]: **Andre Ye**. "The Wartime State and the Cigarette: Darkness and Temporality in Pale Horse, Pale Rider." The Explicator, Volume 80, Issue 1-2, pp. 30-33. Apr. 2022. https://doi.org/10.1080/00144940.2022.2063706

[P8]: **Andre Ye**. "And Then the Hammer Broke: Reflections on Machine Ethics from Feminist Philosophy of Science". Pacific University Philosophy Conference, April 2024. Forest Grove, Oregon. PhilPapers

[P9]: **Andre Ye***, Mark Pock*. "Wor(k/d)play". Garden of Ideas. Vol. 2, Issue 3. pdf

[P10]: **Andre Ye**. "Commentary: Who are you to philosophy?". Garden of Ideas. Vol 4, Issue 1. pdf

Books
[P8]: **Andre Ye**. *Modern Deep Learning Design and Application Development*. Apress Berkeley (Springer Nature), November 2021. https://doi.org/10.1007/978-1-4842-7413-2.
[P9]: **Andre Ye***, Zian (Andy) Wang*. *Modern Deep Learning for Tabular Data*. Apress Berkeley (Springer Nature), December 2022. https://doi.org/10.1007/978-1-4842-8692-0.

TALKS & POSTERS

[T1]: "A Novel Approach to Segment Specialized Annotations in Electron Microscopy Images of Glomerular Podocytes". 25th Undergraduate Research Symposium, May 2022. Talk. [slides](#)

[T2]: "Emergent Language: Independent AI Development of a Language-Like Syntax." Discovering AI Conference at the eScience Institute, May 2022; NeuroAI Seattle Meeting, September 2022. Poster. [poster](#)

[T3]: "Confidence Contours: Uncertainty-Aware Annotation for Medical Semantic Segmentation." 26th Undergraduate Research Symposium, May 2023 ([slides](#)); HCOMP 2023 ([slides](#)). Talk.

[T4]: "Confidence Contours: Uncertainty-Aware Annotation for Medical Semantic Segmentation." Allen School Undergraduate Research Showcase, May 2023. Poster. [poster](#)

[T5]: "LLMs grasp morality in concept." NeurIPS Moral Psychology and Moral Philosophy Workshop, December 2023. Poster. [poster](#)

[T6]: "And then the Hammer Broke: Reflections on Machine Ethics from Feminist Philosophy of Science." Pacific University Philosophy Conference, April 2024. Forest Grove, Oregon. Talk.

[T7] "What Philosophy Can Bring to the Study of AI." Ranjay Krishna's group lab meeting, May 2024. Talk. [slides](#)

[T8] "Language Models as Critical Thinking Tools: A Case Study of Philosophers", October 2024. Philadelphia, Pennsylvania. Poster.

AWARDS, SCHOLARSHIPS, FELLOWSHIPS

Fellow, Paul and Daisy Soros Fellowship for New Americans (2025)

Fellow, Ashar Aziz Presidential Fellowship for PhD at the Massachusetts Institute of Technology (2025)

Finalist, Hertz Foundation Fellowship (2025)

Honorable Mention, National Science Foundation Graduate REsearch Fellowship Program (20250

Outstanding Undergraduate Researcher Finalist, Computing Research Association (20240

Mary Gates Scholar (2024)

Phi Beta Kappa member (sponsored by UW Philosophy) (2024)

Philosophy Department Outstanding Undergraduate Scholar Award (2024)

TEACHING

Teaching Assistant, CSE 160 & 163 (Data Programming Series), CSE 311 (Discrete Math) — **Allen School of CSE**, *Mar. 2022 - Present*
5 x TA for Python, data programming, and discrete math courses.

Teaching Assistant, English Composition & Literary Analysis — **Robinson Center**, *Sep. 2022 - June 2024*
TA for introductory through intermediate level composition and literary analysis courses. Designed and taught units on critical/cultural and media theory.

Teaching Assistant, Introduction to Machine Learning — **The Coding School (TCS)**, *Sep. 2022 - Jun. 2023*
TA for TCS' online, nationwide introductory ML course for disadvantaged or underrepresented high schoolers and middle/high school educators.

VOLUNTEERING & COMMUNITY INVOLVEMENT

Workshops and Conferences
Reviewer: 2024 CSCW, 2023 NeurIPS Moral Psychology & Philosophy Workshop, 2023 ICML AI + HCI Workshop
Volunteer: AGI Conference 2024

Cofounder, Research Head — **Interactive Intelligence**, *Jan. 2022 - Jun. 2023*
Spearheaded and supported research at Interactive Intelligence, a student-run neuroscience and AI research group. Created website, advised ongoing projects, advocated for compute resources (raised >$25k from the university). Organized and led small group meetings. Each week, we discuss assigned book excerpts / papers. Encouraged CS students to take interest in philosophy, and vice versa.