

Andrea H. Wynn

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Education

Johns Hopkins University , Baltimore, MD	May 2028
Doctor of Philosophy (PhD), Computer Science	GPA: 4.0
Princeton University , Princeton, NJ	May 2024
Master of Science and Engineering, Computer Science	GPA: 4.0
Rose-Hulman Institute of Technology , Terre Haute, IN	May 2022
Bachelor of Science, Computer Science & Mathematics. Minors: Data Science & Psychology.	GPA: 3.96

Publications

** denotes equal contribution.*

Andrea H. Wynn*, Harsh Satija*, Gillian K. Hadfield. *Talk Isn't Always Cheap: Understanding Failure Modes in Multi-Agent Debate*. ICML Multi-Agent Systems (MAS) Workshop 2025.

Andrea H. Wynn, Ilia Sucholutsky, Thomas L. Griffiths. *Learning Human-Like Representations to Enable Learning Human Values*. NeurIPS 2024.

Andrea H. Wynn. *Spectral Graph Theory in Two-Dimensional Materials*. SIAM Undergraduate Research Online 2022.

Employment History

PhD AI Research Intern , <i>LinkedIn</i> , Mountain View, CA	May - August 2025
<ul style="list-style-type: none">Improved LinkedIn's semantic people search by fine-tuning and distilling large-scale reranking LLM modelsFine-tuned reranker cross-encoder LLM, boosting NDCG by 15% & accuracy by 17% over previous bi-encoder baselineImplemented novel knowledge distillation method for cross-encoder models via teacher's latent representation	
Machine Learning Science Intern , <i>Expedia Group</i> , Austin, TX	May - August 2023
<ul style="list-style-type: none">Implemented deep learning simulator using GANs to generate realistic customer interaction data on Vrbo websiteAccurately reproduced complex relationships in simulated data, such as check-in day & total price vs customer bookingsTrained GAN model to predict counterfactual outcomes (customer booking decisions) to help run fully simulated AB tests	
Software Engineering Intern , <i>Amazon</i> , AWS EC2 Demand Forecasting Team, Seattle, WA	June - August 2022
<ul style="list-style-type: none">Designed & implemented tool for evaluating & monitoring metrics related to forecast model accuracyCreated dashboard for research scientists to quickly evaluate forecast accuracy by EC2 instance sizeAggregated data to determine which production forecast was used at a specific time in each region	

Honors & Awards

Sigma Xi Associate Membership (By Nomination)	2025 – Present
Percy Pierre Doctoral Fellowship	2024 – 2026
Jun Wu and Yan Zhang Graduate Student Fellowship	2024 – 2025
Louis M. Brown Engineering Fellowship	2024 – 2025
Herman A. Moench Outstanding Senior Commendation (news article)	May 2022
Frank Young Outstanding Service Award	May 2022
2021 Chevron Scholarship	September 2021
Henry Turner Eddy Award for Applied Mathematics	May 2021
TechPointX SOS Challenge First Place Winner	August 2020

Teaching

Princeton University , <i>Assistantship in Instruction</i> , Princeton, NJ	Fall 2022 - Spring 2024
Rose-Hulman Institute of Technology , <i>Teaching Assistant</i> , Terre Haute, IN	February 2019 - May 2021
Pacific Science Center , <i>Lead Science Educator in Training</i> , Seattle, WA	May 2014 - August 2018

Professional Service & Leadership

Society of Asian Scientists and Engineers (SASE) , <i>Regional Coordinator</i>	June 2022 – Present
Princeton Graduate Society of Women Engineers , <i>Co-Founder & Professional Development Chair</i>	January 2023 - May 2024
Society of Asian Scientists and Engineers (SASE) , <i>Midwest Regional Conference Chair</i>	August 2021 - March 2022
Rose-Hulman SASE , <i>President</i>	February 2020 - May 2022
Backpat Tutoring , <i>Co-Founder & Volunteer Coordination Manager</i>	May 2020 - May 2022