Weiqiu You

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Research Interests

Trustworthy and Explainable Machine Learning, Medical AI

Education

2020 –	▸	**Ph.D. Computer and Information Science, University of Pennsylvania**, Philadelphia, PA Advisor: Prof. Eric Wong Expected Graduation: Dec. 2025
2018 – 2020	▸	**M.S. Computer Science, University of Massachusetts Amherst**, Amherst, MA Advisor: Prof. Mohit Iyyer
2014 – 2018	▸	**B.S. Computer Science and Mathematics, Gordon College**, Wenham, MA Advisor: Prof. Jonathan Senning, Prof. Russell Bjork Double major. Honors Thesis title: *Predict Media Interestingness*.

Internship & Employment History

2024	▸	**Research Intern** Okinawa Institute of Science and Technology. Okinawa, Japan.
2022	▸	**Research Intern** IBM Research Yorktown Heights. Yorktown Heights, NY.
2020	▸	**Research Assistant** University of Southern California, Information Sciences Institute. Los Angeles, CA.
2018	▸	**Research Intern** NLP Center, Meituan-Dianping Inc. Beijing, China.

Publications

Preprints

1. Helen Jin, Shreya Havaldar, Chaehyeon Kim, Anton Xue, **Weiqiu You**, Helen Qu, Marco Gatti, Daniel A Hashimoto, Bhuvnesh Jain, Amin Madani, Masao Sako, Lyle Ungar, and Eric Wong (2024). *The FIX Benchmark: Extracting Features Interpretable to eXperts*. arXiv: 2409.13684 [cs.LG]. 🔗 URL: https://arxiv.org/abs/2409.13684.

2. **Weiqiu You**, Helen Qu, Marco Gatti, Bhuvnesh Jain, and Eric Wong (2024). *Sum-of-Parts: Faithful Attributions for Groups of Features*. arXiv: 2310.16316 [cs.LG]. 🔗 URL: https://arxiv.org/abs/2310.16316.

Conferences and Journals

1. Chaehyeon Kim, **Weiqiu You**, Shreya Havaldar, and Eric Wong (2024). "Evaluating Groups of Features via Consistency, Contiguity, and Stability". In: *The Second Tiny Papers Track at ICLR 2024*. 🔗 URL: https://openreview.net/forum?id=IP2etbIEuC.

2. Shreya Havaldar*, **Weiqiu You***, Lyle Ungar, and Eric Wong (2023). "Visual Topics via Visual Vocabularies". In: *XAI in Action: Past, Present, and Future Applications*. 🔗 URL: https://openreview.net/forum?id=h6OT5pzrGc.

3. Youngja Park and **Weiqiu You** (Dec. 2023). "A Pretrained Language Model for Cyber Threat Intelligence". In: *Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing: Industry Track*. Ed. by Mingxuan Wang and Imed Zitouni. Singapore: Association for Computational Linguistics, pp. 113–122. 🔗 DOI: 10.18653/v1/2023.emnlp-industry.12.

4 Li Zhang, Hainiu Xu, Yue Yang, Shuyan Zhou, **Weiqiu You**, Manni Arora, and Chris Callison-Burch (May 2023). "Causal Reasoning of Entities and Events in Procedural Texts". In: *Findings of the Association for Computational Linguistics: EACL 2023*. Ed. by Andreas Vlachos and Isabelle Augenstein. Dubrovnik, Croatia: Association for Computational Linguistics, pp. 415–431. 🔗 DOI: 10.18653/v1/2023.findings-eacl.31.

5 Artemis Panagopoulou, Manni Arora, Dimitri Cugini Li Zhang, **Weiqiu You**, Yue Yang, Liyang Zhou, Yuxuan Wang, Zhaoyi Hou, Alyssa Hwang, Lara Martin, Sherry Shi, Chris Callison-Burch, and Mark Yatskar (2022). "QuakerBot: A household dialog system powered by large language models". In: *Alexa Prize TaskBot Challenge 1 Proceedings*. 🔗 URL: https://www.amazon.science/alexa-prize/proceedings/quakerbot-a-household-dialog-system-powered-by-large-language-models.

6 Thamme Gowda, **Weiqiu You**, Constantine Lignos, and Jonathan May (June 2021). "Macro-Average: Rare Types Are Important Too". In: *Proceedings of the 2021 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies*. Ed. by Kristina Toutanova, Anna Rumshisky, Luke Zettlemoyer, Dilek Hakkani-Tur, Iz Beltagy, Steven Bethard, Ryan Cotterell, Tanmoy Chakraborty, and Yichao Zhou. Online: Association for Computational Linguistics, pp. 1138–1157. 🔗 DOI: 10.18653/v1/2021.naacl-main.90.

7 **Weiqiu You***, Simeng Sun*, and Mohit Iyyer (July 2020). "Hard-Coded Gaussian Attention for Neural Machine Translation". In: *Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics*. Ed. by Dan Jurafsky, Joyce Chai, Natalie Schluter, and Joel Tetreault. Online: Association for Computational Linguistics, pp. 7689–7700. 🔗 DOI: 10.18653/v1/2020.acl-main.687.

Teaching Experience

2021	▶	**Computational Linguistics** UPenn CIS530, Teaching Assistant, Spring 2021, Fall 2021
Spring 2020	▶	**Advanced Natural Language Processing** UMass COMPSCI685, Grader
Spring 2018	▶	**Data Structures and Algorithms** Gordon CPS222, Teaching Assistant
Spring 2017	▶	**Differential Equations** Gordon MAT225, Teaching Assistant
	▶	**Calculus II** Gordon MAT122, Teaching Assistant
2016 – 2018	▶	**Biostatistics** Gordon, SPSS Help Session Tutor
	▶	**Calculus** Gordon, Tutor

Invitations

2024	▶	**Panalist** Women in CS Panel, Computers and Society class. Gordon College, MA.
	▶	**Speaker** Artificial Intelligence Week Alumni Forum. High School Affiliated to Renmin University of China, Beijing, China.
2022	▶	**Panalist** Women in CS Panel, Computers and Society class. Gordon College, MA.

Awards

2024 ▸ **AWS-AI ASSET Fellow**.

Academic Services

2022 – 2023 ▸ **ACL Rolling Review**.
Reviewer.

2023 ▸ **ACL**.
Reviewer.

2022 ▸ **CLunch, a weekly NLP research seminar run by PennNLP**.
Organizer

2021 – 2023 ▸ **EMNLP**.
Reviewer.