

EDUCATION

PhD Computer Science; 4.0*University of Washington, advised by Yejin Choi*

Dec 2025

Seattle, WA

MS Computer Science; 4.0*University of Washington, advised by Yejin Choi*

June 2024

Seattle, WA

- GRE, 169 / 170 Quantitative (96th percentile), 165 / 170 Verbal (96th percentile)

BS Applied and Computational Mathematics; 3.9*Brigham Young University*

Apr 2021

Provo, UT

- ACT, 36 / 36 (99.8th percentile)

EXPERIENCE

Anthropic - Member of Technical Staff

Jun 2026 - Present

- Research Scientist studying Societal Impacts of AI

humans& - Member of Technical Staff

Nov 2025 - May 2026

- Founding team member.

Yejin Choi's Xlab, University of Washington - Research Assistant

Sep 2022 - Dec 2025

- Researching LLMs, commonsense reasoning, morality+AI, model distillation, and NLP for social good
- Spear-headed joint CS+Philosophy work on value pluralism

Google DeepMind - Student Researcher

July 2024 - Dec 2024

- Modeling diverse perspectives and inferring values with language models (preprint , in review)
- Mentored by Verena Rieser, Michiel Bakker, Roma Patel, MH Tessler, Iason Gabriel

Allen Institute for AI - PhD Research Intern

June 2023 - Sep 2023

- Oral presentation at AAAI 2024. (paper)
- Project exploring AI system's ability to model pluralistic human values, mentored by Chandra Bhagavatula

Perception, Control, and Cognition Laboratory - Research Assistant

Apr 2020 - Sep 2022

- PNAS Paper exploring AI's potential to improve democratic discourse (co-first author, PNAS)
- Demonstrated the effectiveness of mutual information as a prompt selection criterion on 8 datasets and 7 models (first author, ACL)
- Engineered psychology-backed automatic rephrasing technique with GPT-3 to aid productivity of online conversations in collaboration with social scientists at Duke and BYU (in human trials)
- Controlled difficult soft robot in real-time by combining first-principles physics and deep learning (Frontiers in Robotics and AI)
- Contributed to open-source NLP data augmentation library (paper)

Enveda Biosciences - Data Science Intern

Aug 2022 - Sep 2022

- Improved mass spectrometry to chemical structure machine translation model's validation performance by 5% using backtranslation (currently being worked into a paper and deployment)

Double River Investments - Machine Learning Engineer

Jun 2020 - Aug 2021

- Informed live-traded quantitative investment model with transformer-based neural network, combining recent work by implementing and validating 5 research papers
- Deployed production pipeline so model could be used in real time by multi-million dollar hedge fund

Gray Falcon - Deep Learning Consultant

Dec 2019 - Apr 2020

- Sold NLP class project to company for \$10k by solving a crucial business need, saving thousands of monthly person-hours

Math Department, BYU - Competitive Coding Instructor

Jan 2020 - Apr 2020

- Taught 18 students three times a week by developing coursework from scratch
- Helped place several students at top jobs and internships by refining their coding interview skills

Computer Vision - Research Assistant

Feb 2019 - Dec 2019

- Awarded top prize in student research conference for work in pose correspondence
- Developed human-led, AI-assisted video annotation website to be used by MTurk workers

SELECT PUBLICATIONS

- **Sorensen**, Jiang, Hwang, Levine, Pyatkin, West, Dziri, Lu, Rao, Bhagavatula, Sap, Tasioulas, Choi (2023) Value Kaleidoscope: Engaging AI with Pluralistic Human Values, Rights, and Duties. *AAAI 2024 - Oral presentation (top 3% of submissions)* <https://arxiv.org/abs/2309.00779>
- **Sorensen**, Moore, Fisher, Gordon, Miresghallah, Rytting, Ye, Jiang, Lu, Dziri, Althoff, Choi (2024) A Roadmap to Pluralistic Alignment *ICML 2024 - Position Paper* <https://arxiv.org/abs/2402.05070>
- **Sorensen**, Mishra, Patel, Tessler, Bakker, Evans, Gabriel, Goodman, Rieser (2025) Value Profiles for Encoding Human Variation *arXiv preprint* <https://arxiv.org/abs/2402.05070>
- **Sorensen***, Robinson*, Rytting*, Shaw, Rogers, Delorey, Khalil, Fulda, Wingate (2022) An Information Theoretic Approach to Prompt Engineering Without Ground Truth Labels. *Association for Computational Linguistics, 2022* <https://aclanthology.org/2022.acl-long.60/> **Equal Contribution*
- Argyle*, Bail*, Busby*, Gubler*, Howe*, Rytting*, **Sorensen***, Wingate* (2023) Leveraging AI for democratic discourse: Chat interventions can improve online political conversations at scale. *Published in PNAS*. <https://www.pnas.org/doi/10.1073/pnas.2311627120>. **Equal Contribution, Alphabetical Order*
- West, Le Bras, **Sorensen**, Lee, Jiang, Lu, Chandu, Hessel, Baheti, Bhagavatula, Choi (2023) NovaCOMET: Open Commonsense Foundation Models with Symbolic Knowledge Distillation *Findings of EMNLP 2023*. <https://aclanthology.org/2023.findings-emnlp.80/>
- Wingate, Shoeybi, **Sorensen** (2022) Prompt Compression and Contrastive Conditioning for Controllability and Toxicity Reduction in Language Models. *Findings of EMNLP 2022*. <https://aclanthology.org/2022.findings-emnlp.412/>
- Jung, West, Jiang, Brahman, Lu, Fisher, **Sorensen**, Choi (2023) Impossible Distillation: from Low-Quality Model to High-Quality Dataset Model for Summarization and Paraphrasing. *In review*. <https://arxiv.org/abs/2305.16635>
- Rytting, **Sorensen**, Argyle, Busby, Fulda, Gubler, Wingate (2023) Towards Coding Social Science Datasets with Language Models. *arXiv Preprint* <https://arxiv.org/abs/2306.02177>
- Dhole, Gangal, ..., **Sorensen** (2021) NL-Augmenter: A Framework for Task-Sensitive Natural Language Augmentation <https://arxiv.org/abs/2112.02721>
- Johnson, Quackenbush, **Sorensen**, Wingate, and Killpack (2021) Using First Principles for Deep Learning and Model-Based Control of Soft Robots. *Front. Robot. AI* 8:654398. doi: 10.3389/frobt.2021.654398 <https://www.frontiersin.org/articles/10.3389/frobt.2021.654398/full>

INVITED TALKS

National Symposium for Equitable AI, Morgan State University - Pluralistic Alignment *Apr 2025*

MilaNLP, Pluralistic Alignment: A Roadmap, Recent Work, and Open Problems *Jan 2025*

Dealing with Meaning Variation in NLP, University of Utrecht - AI and Pluralistic Human Values *Oct 2024*

Berkeley Simons Institute - Pluralistic Alignment: A Roadmap, Recent Work, and Open Problems *Oct 2024*
<https://www.youtube.com/live/1F0iaivYdvI?si=jKvSSqO1Eq74m5n>

University College London - Aligning AI with Pluralistic Human Values *Sep 2024*

Vienna Alignment Workshop - Lightning Talk, Pluralistic Alignment Workshop *July 2024*

IBM Research - AI and Pluralistic Human Values. *March 2024*

BuzzRobot - Aligning AI with Pluralistic Human Values. *May 2024* <https://www.youtube.com/watch?v=1EoBNBfNklI>

AAAI Oral - Value Kaleidoscope: Engaging AI with Pluralistic Human Values, Rights, and Duties *Feb 2024*

GRANTS AND AWARDS

Institute for Humane Studies Awarded Funding for ICML 2024 Conference Presentation. *June 2024*

SERVICE

Reviewer at ICML '25, FAaCT '25, NeurIPS'24, EMNLP'24, AAAI'24, EMNLP'23, NeurIPS'23, EMNLP'22

Program Committee Member - NeurIPS 2023 MP2: AI meets moral philosophy and moral psychology