

Ray Groshan

rayg2@umbc.edu • groshanr.github.io

Research interests

Natural Language Processing (NLP), Augmentative and Alternative Communication (AAC), Assistive Technology, Neurodivergence

Education

- 2025 – Present **University of Maryland, Baltimore County** – Baltimore, MD
PhD in Computer Science.
- 2025 **University of Colorado Boulder** – Boulder, CO
MS in Computational Linguistics.
- 2023 **Southern New Hampshire University** – Online
BS in Computer Science, Concentration in Software Engineering, Minor in Mathematics.
- 2019 **University of Wisconsin–Madison** – Madison, WI
BA in Spanish.

Research experience

- June 2025 – Present **Graduate Research Assistant**
LARA Lab – University of Maryland, Baltimore County
Mentor: Dr. Lara Martin.
- September 2023 – March 2025 **Research Assistant Intern**
LECS Lab – University of Colorado Boulder
Mentors: Dr. Alexis Palmer, Michael Ginn.

Publications

- 2025 **Is linguistically-motivated data augmentation worth it?**
Ray Groshan, Michael Ginn, Alexis Palmer.
Proceedings of the 63rd Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers).
- 2024 **Mothman at SemEval-2024 Task 9: An Iterative System for Chain-of-Thought Prompt Optimization**
Alvin Po-Chun Chen, Ray Groshan, Sean von Bayern.
Proceedings of the 18th International Workshop on Semantic Evaluation (SemEval-2024).

Academic Positions

September 2024 – present	Student Assistant University of Colorado Boulder, Linguistics Department – Boulder, CO
January 2024 – May 2024	Grader for CSCI 3832: Natural Language Processing University of Colorado Boulder, Computer Science Department – Boulder, CO
August 2023 – December 2023	Course Manager for CSCI 7000: Recent Advances in Computer Vision University of Colorado Boulder, Computer Science Department – Boulder, CO

Talks and tutorials

July 2025	Is linguistically-motivated data augmentation worth it? <i>Virtual Paper Presentation. ACL 2025.</i>
October 2024	Bind It All Together <i>Workshop. CU Boulder Disability Symposium.</i>
October 2024	Experiences and Survival Techniques of Graduate Students with Disabilities <i>Panelist. CU Boulder Disability Symposium.</i>
February 2024	Pride Dinner & Discussion: Queer Adaptability <i>Panelist. University of Colorado Boulder, Center for Inclusion & Social Change.</i>

Professional Service

August 2025	Reviewer – INLG 2025.
-------------	------------------------------

Professional memberships

2024 – Present	Queer in AI
2024 – Present	oSTEM
2023 – Present	Association of Nonbinary and Trans Language Researchers