

# Connor Baumler

PHD STUDENT · UNIVERSITY OF MARYLAND

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## Area of Interest

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Human-Centered Natural Language Processing, Fairness, Interpretability, and Trust

## Education

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### University of Maryland

PHD COMPUTER SCIENCE

- Advisor: [Hal Daumé III](#)
- Dean's Fellowship ('21 and '22)

College Park, MD

2021 - present

### Case Western Reserve University

MS COMPUTER SCIENCE

- Advisor: Soumya Ray
- Herbold Scholar

Cleveland, OH

2019 - 2021

### Case Western Reserve University

BS COMPUTER SCIENCE

- Secondary major in Japanese Studies
- AI Concentration

Cleveland, OH

2016 - 2020

## Publications

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### CONFERENCE

**Connor Baumler\***, Navita Goyal\*, Tin Nguyen, and Hal Daumé III. [The Impact of Explanations on Fairness in Human-AI Decision-Making: Protected vs Proxy Features](#). 2024. International Conference on Intelligent User Interfaces (IUI).

(A preliminary version of this work appeared at the Workshop on Trust and Reliance in AI-Assisted Tasks (TRAIT) @ CHI 2023.)

Navita Goyal, Eleftheria Briakou, Amanda Liu, **Connor Baumler**, Claire Bonial, Jeffrey Micher, Clare R Voss, Marine Carpuat, and Hal Daumé III. [What Else Do I Need to Know? The Effect of Background Information on Users' Reliance on QA Systems](#). 2023. Conference on Empirical Methods in Natural Language Processing (EMNLP).

(A preliminary version of this work appeared at the Workshop on Trust and Reliance in AI-Assisted Tasks (TRAIT) @ CHI 2023.)

**Connor Baumler\***, Anna Sotnikova\*, and Hal Daumé III. [Which Examples Should be Multiply Annotated? Active Learning When Annotators May Disagree](#). 2023. Findings of ACL.

(Also presented at Workshop on Online Abuse and Harms (WOAH) @ ACL 23.)

**Connor Baumler** and Rachel Rudinger. [Recognition of They/Them as Singular Personal Pronouns in Coreference Resolution](#). 2022. Conference of the North American Chapter of the Association for Computational Linguistics (NAACL).

**Connor Baumler** and Soumya Ray. [Hybrid Semantics for Goal-Directed Natural Language Generation](#). 2022. Conference of the Association for Computational Linguistics (ACL).

### UNDER REVIEW

**Connor Baumler** and Hal Daumé III. [Anti-stereotypical Predictive Text Suggestions Do Not Reliably Yield Anti-stereotypical Writing](#). 2024.

## Experience

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INTERN | **The Ethics Institute at Northeastern University**

Summer '24

Mentors: [Sina Fazelpour](#) and [Maria De-Arteaga](#)

RESEARCH ASSISTANT | **Univeristy of Maryland**

Spring '22 - present

Computational Linguistics and Information (CLIP) Lab

RESEARCH ASSISTANT | **Univeristy of Maryland**

Fall '21 - Spring '22

Applied Research Laboratory for Intelligence and Security

INTERN | **NASA Langley Research Center**

Summer '20

Formal Methods Group, Interactive theorem proving

INTERN | **NASA Glenn Research Center**

Summer '19

PeTaL, Bioinspired design search tooling

## Teaching

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Fall '22 **Natural Language Processing**, Teaching Assistant

UMD

Spring '20 **Introduction to AI**, Teaching Assistant

CWRU

Fall '18 **Operating Systems and Concurrent Programming**, Teaching Assistant

CWRU

## Service

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REVIEWER | CHI '25, FAccT '24, ARR (EMNLP'24), TrustNLP workshop @ NAACL '24, Queer in AI workshop @ NAACL '24 and ACL '23

SECONDARY REVIEWER | EMNLP '20, '21, EACL '21, NAACL '21

CONFERENCE STUDENT VOLUNTEER | ACL '22, NAACL '22

WORKSHOP ORGANIZER | Queer in AI workshop @ ACL '23

GRADUATE ADMISSIONS COMMITTEE VOLUNTEER | University of Maryland 2023