

# Katherine Atwell

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## EDUCATION

- 2025 **Ph.D., Computer Science**  
*Northeastern University*  
GPA: 4.0
- 2020 **B.S., Computer Science**  
*University of Maryland, Baltimore County*
- 2020 **B.S., Mathematics**  
*University of Maryland, Baltimore County*

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## WORK EXPERIENCE

- Summer 2019 **Software Engineering Intern**  
*Google, Inc.*  
Developed a visualization tool for the Data Studio team
- Summer 2018 **Engineering Practicum Intern**  
*Google, Inc.*  
Built an internal dashboarding tool for YouTube
- Summer 2017 **Research Intern**  
*Iowa State University*  
Designed the UX for a new software for Traffic Incident Managers

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## TEACHING EXPERIENCE

- 2021-2022 **Research Mentor**  
*University of Pittsburgh*  
Mentored five undergraduate students for various research projects
- 2021 **Teaching Assistant**  
*University of Pittsburgh*  
Teaching assistant for AI ethics course
- 2019-2020 **Teaching Assistant**  
*University of Maryland, Baltimore County*  
Teaching assistant for object-oriented programming course
- 2018 **Teaching Assistant**  
*University of Maryland, Baltimore County*  
Teaching assistant for Calculus I
- 2017-2019 **Math Tutor**  
*University of Maryland, Baltimore County*  
Tutored for several math classes for the Learning Resource Center

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## PUBLICATIONS

- [ISABEL: An inclusive and collaborative task-oriented dialogue system](#)  
Anthony Sicilia, Yuya Asano, **Katherine Atwell**, Qi Cheng, Dipunj Gupta, Sabit Hassan, Mert Inan, Jennifer Nwogu, Paras Sharma, Malihe Alikhani.  
*Alexa Prize TaskBot Challenge 2 Proceedings. 2023.*
  - [Multilingual Content Moderation: A Case Study on Reddit.](#)  
Meng Ye, Karan Sikka, **Katherine Atwell**, Sabit Hassan, Ajay Divakaran, Malihe Alikhani.
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17th Conference of the European Chapter of the Association for Computational Linguistics. 2023.

[How people talk about each other: Modeling Generalized Intergroup Bias and Emotion](#)

Venkata Govindarajan, **Katherine Atwell**, Barea Sinno, Malihe Alikhani, David Beaver, Junyi Jessy Li.

17th Conference of the European Chapter of the Association for Computational Linguistics. 2023.

[APPDIA: A Discourse-aware Transformer-based Style Transfer Model for Offensive Social Media Conversations](#)

**Katherine Atwell\***, Sabit Hassan\*, Malihe Alikhani

Proceedings of the 29th International Conference on Computational Linguistics, 2022

[The Role of Context and Uncertainty in Shallow Discourse Parsing](#)

**Katherine Atwell**, Remi Choi, Junyi Jessy Li, Malihe Alikhani

Proceedings of the 29th International Conference on Computational Linguistics, 2022

[PAC-Bayesian Domain Adaptation Bounds for Multiclass Learners](#)

Anthony Sicilia, **Katherine Atwell**, Malihe Alikhani, Seong Jae Hwang

Proceedings of the Thirty-Eighth Conference on Uncertainty in Artificial Intelligence, 2022

[Political Ideology and Polarization: A Multi-dimensional Approach](#)

Barea Sinno\*, Bernardo Oviedo\*, **Katherine Atwell\***, Malihe Alikhani, Junyi Jessy Li

Proceedings of the 2022 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies

[The Change that Matters in Discourse Parsing: Estimating the Impact of Domain Shift on Parser Error](#)

**Katherine Atwell\***, Anthony Sicilia\*, Seong Jae Hwang, Malihe Alikhani

Findings of the Association for Computational Linguistics: ACL 2022

[Where Are We in Discourse Relation Recognition?](#)

**Katherine Atwell**, Junyi Jessy Li, Malihe Alikhani

Proceedings of the 22nd Annual Meeting of the Special Interest Group on Discourse and Dialogue. 2021.

[Developing an Optimized UI for Traffic Incident Managers](#)

Andrina Helgerson, Jamiahus Walton, Celia Loya, Christopher Kawell, Katherine Atwell, Quinn Monaghan, Lakshay Ahuja, Hesham Hassan, Stephen Gilbert, & Anuj Sharma

Proceedings of the Human Factors and Ergonomics Society Annual Meeting. 2018

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## AWARDS

2023

### Third Place

Alexa Prize TaskBot Challenge

2022

### Best Paper

Association for Uncertainty in Artificial Intelligence

2022

### Scholarship Recipient

CRA-W Scholarship for Early Career Workshop and the Graduate Cohort

2020, 2018

### Scholarship Recipient

Grace Hopper

2016-2020

### Meyerhoff Scholar

University of Maryland, Baltimore County

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**INVITED TALKS** 2023

**Coreference**

*University of Pittsburgh*

2022

**APPDIA: A Discourse-aware Transformer-based Style Transfer Model for Offensive Social Media Conversations**

*The University of Texas at Austin*

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**ACADEMIC  
SERVICE**

- *ACL Rolling Review* Ethics Reviewer, Reviewer
  - *EMNLP* Reviewer
  - *UAI* Reviewer
  - *ACM FAccT* Reviewer, Program Committee
  - *Journal of Educational Data Mining* Reviewer
  - *Workshop on Computational Approaches to Discourse* Program Committee
  - *INLG* Reviewer
  - *SIGDIAL* Program Committee
  - *ACL* Reviewer
  - *AAAI* Reviewer
  - *NAACL* Reviewer
  - *Northeastern University* Reviewed PhD applications
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