

EMILY ALLAWAY

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EDUCATION

Columbia University, New York, NY
Ph.D. in Computer Science – Natural Language Processing Expected 05/2024
Advisor: Kathleen McKeown
M.S. in Computer Science 05/2021
University of Washington, Seattle, WA
B.S. in Computer Science 06/2018
B.S. in Mathematics 06/2018

EMPLOYMENT EXPERIENCE

Columbia University, Department of Computer Science 09/2018 – Present
Research and Teaching Assistant with Kathleen McKeown.
Allen Institute for Artificial Intelligence 05/2021 – 12/2021
Research Intern with MOSAIC team.
Amazon Science 05/2020 – 10/2020
Research Intern with Miguel Ballesteros.
University of Washington, Department of Computer Science 01/2017 – 06/2018
Research Assistant with Yejin Choi.

ACADEMIC AWARDS

NSF Graduate Research Fellowship 09/2019
National Science Foundation
Denice Dee Denton Scholars Endowment 09/2016
Paul G. Allen School of Computer Science and Engineering, University of Washington
Jim Greenfield Scholarship 09/2016
Department of Classics, University of Washington
Harvey Densmore Scholarship 09/2016
Department of Classics, University of Washington

TALKS

Understanding and Reasoning about Generalizations in Language
University of Edinburgh NLP Meeting 05/2023
Columbia University NLP Seminar 05/2023
**Penguins Don't Fly:
Reasoning about Generics through Instantiations and Exceptions** 05/2023
EACL Main Conference
Implicit Meaning and Domain Adaptation in Stance Detection 03/2021
Columbia University NLP Seminar
Stance Detection 02/2021
Columbia University Department of Computer Science Alumni Day
Lexical Connotations & Stance Detection 08/2020
Demystifying the dissertation talk series, Columbia University Department of Computer Science

TEACHING

Columbia University

COMS 6998 Language Generation and Summarization – Guest Lecture	
Unsupervised Constrained Decoding	09/2022, 09/2023
COMS W4705 Natural Language Processing – Guest Lecture	09/2021
Neural Networks for NLP	
COMS W4705 Natural Language Processing – Teaching Assistant	Fall 2019, Spring 2021

University of Washington

CSE 142/143 Computer Programming I/II – Teaching Assistant	2015 – 2017
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STUDENTS & MENTORING

1. Lauren Hong – CU M.S. Student	08/2022 – 12/2022
2. Nina Taneja – CU Undergraduate Paper at NLP4PosImp @ EMNLP 2022	01/2022 – 09/2022
3. Noah Bergam – CU Undergraduate Paper at NLLP @ EMNLP 2022	01/2022 – 09/2022
4. António Câmara – CU Undergraduate	09/2021 – 05/2022
5. Anish Saha – CU M.S. Student Paper at EMNLP Findings 2022	09/2021 – 09/2022
6. Lucy Wang – CU M.S. Student	09/2021 – 12/2022
7. Sahil Jayaram – CU M.S. Student Paper at EMNLP 2021	09/2020 – 05/2021
8. William Chiu – CU Undergraduate	01/2021 – 05/2021
9. Amith Ananthram – CU M.S. Student Paper at COLING 2020	01/2020 – 12/2020
10. Malavika Srikanth – CU M.S. Student Paper at NAACL 2021	01/2020 – 12/2020
11. Yuncong Yang – CU Undergraduate	01/2020 – 05/2020

SERVICE

Reviewing

Conferences

EACL	2023
ACL	2021, 2023
EMNLP	2021, 2022, 2023
LREC	2022
ARR	2021, 2022, 2023

Journals

Journal of Natural Language Engineering	2022
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Workshops

NAACL Workshop on Deep Learning for Low-resource NLP	2022
EMNLP Workshop on Noisy User-generated Text	2021
COLING Workshop on Noisy User-generated Text	2022
ACL Workshop on Commonsense Representation and Reasoning	2022

Seminars & Reading Group Organization

Columbia University NLP Seminar
NLP Classics Reading Group at Columbia University

01/2020 - Present
Fall 2020

PUBLICATIONS

Peer-reviewed conference articles

Emily Allaway, Jena D. Hwang, Chandra Bhagavatula, Kathleen McKeown, Doug Downey, Yejin Choi (2023). *Penguins don't Fly: Reasoning about Generics through Instantiations and Exceptions*. EACL

Anish Saha, Amith Ananthram, **Emily Allaway**, Heng Ji, Kathleen McKeown (2022). *Seeded Hierarchical Clustering for Expert-Crafted Taxonomies*. Findings of EMNLP.

Sharon Levy, **Emily Allaway**, Melanie Subbiah, Lydia Chilton, Desmond Patton, Kathleen McKeown, William Yang Wang (2022). *SafeText: A Benchmark for Exploring Physical Safety in Language Models*. EMNLP.

Alex Mei, Anisha Kabir, Sharon Levy, Melanie Subbiah, **Emily Allaway**, John Judge, Desmond Patton, Bruce Bimber, Kathleen McKeown, William Yang Wang (2022). *Mitigating Covertly Unsafe Text within Natural Language Systems*. Findings of EMNLP.

Alicia Parrish, William Huang, Omar Agha, Soo-Hwan Lee, Nikita Nangia, Alex Warstadt, Karmanya Aggarwal, **Emily Allaway**, Tal Linzen, and Samuel R. Bowman (2021). *Does Putting a Linguist in the Loop Improve NLU Data Collection?*. Findings of EMNLP.

Sahil Jayaram and **Emily Allaway** (2021). *Human Rationales as Attribution Priors for Explainable Stance Detection*. EMNLP.

Emily Allaway, Shuai Wang, and Miguel Ballesteros (2021). *Sequential Cross-Document Coreference Resolution*. EMNLP.

Emily Allaway and Kathleen McKeown (2021). *A Unified Feature Representation for Lexical Connotations*. EACL.

Emily Allaway^{*}, Malavika Srikanth^{*}, Kathleen McKeown (2021). *Adversarial Learning for Zero-Shot Stance Detection on Social Media*. NAACL.

^{*} denotes equal contribution

Amith Ananthram, **Emily Allaway**, Kathleen McKeown (2020). *Event-Guided Denoising for Multilingual Relation Learning*. COLING.

Emily Allaway and Kathleen McKeown (2020). *Zero-Shot Stance Detection: A Dataset and Model using Generalized Topic Representations*. EMNLP.

Manling Li, Ying Lin, Ananya Subburathinam, Spencer Whitehead, Xiaoman Pan, Di Lu¹, Qingyun Wang, Tongtao Zhang, Lifu Huang, Heng Ji, Alireza Zareian, Hassan Akbari, Brian Chen, Bo Wu, **Emily Allaway**, Shih-Fu Chang, Kathleen McKeown, Yixiang Yao, Jennifer Chen, Eric Berquist, Kexuan Sun, Xujun Peng, Ryan Gabbard, Marjorie Freedman, Pedro Szekely, T.K. Satish Kumar, Arka Sadhu, Ram Nevatia, Miguel Rodriguez, Yifan Wang, Yang Bai, Ali Sadeghian, Daisy Zhe Wang (2019). *GAIA at SM-KBP2019 - A Multi-media Multi-lingual Knowledge Extraction and Hypothesis Generation System*. TAC.

Maarten Sap, Ronan Le Bras, **Emily Allaway**, Chandra Bhagavatula, Nicholas Lourie, Hannah Rashkin, Brendan Roof, Noah A. Smith, Yejin Choi (2019). *ATOMIC: An Atlas of Machine Commonsense for If-Then Reasoning*. AAAI.

Tongtao Zhang, Ananya Subburathinam, Ge Shi, Lifu Huang, Di Lu, Xiaoman Pan, Manling Li, Boliang Zhang, Qingyun Wang, Spencer Whitehead, Heng Ji, Alireza Zareian, Hassan Akbari, Brian Chen, Ruiqi Zhong, Steven Shao, **Emily Allaway**, Shih-Fu Chang, Kathleen McKeown, Dongyu Li, Xin Huang, Kexuan Sun, Xujun Peng, Ryan Gabbard, Marjorie Freedman, Mayank Kejriwal, Ram Nevatia, Pedro Szekely, T.K. Satish Kumar, Ali Sadeghian, Giacomo Bergami, Sourav Dutta, Miguel

Rodriguez, Daisy Zhe Wang (2018). *GAIA - A Multi-media Multi-lingual Knowledge Extraction and Hypothesis Generation System*. TAC.

Hannah Rashkin, Maarten Sap, **Emily Allaway**, Noah A. Smith and Yejin Choi (2018). *Event2Mind: Commonsense Inference on Events, Intents, and Reactions*. ACL.

Peer-reviewed journal articles

Emily Allaway, Kathleen McKeown (2023). *Zero-Shot Stance Detection: Paradigms and Challenges*. Frontiers of Artificial Intelligence, vol. 5.

Peer-reviewed workshop articles

Emily Allaway, Nina Taneja, Sarah-Jane Leslie, Maarten Sap (2022). *Towards Countering Essentialism Through Social Bias Reasoning*. EMNLP Workshop on NLP for Positive Impact.

Noah Bergam, **Emily Allaway**, Kathleen McKeown (2022). *Legal and Political Stance Detection of SCOTUS Language*. EMNLP Workshop on Natural Legal Language Processing.

António Câmara, Nina Taneja, Tamjeed Azad, **Emily Allaway**, Richard Zemel (2022). *Mapping the Multilingual Margins: Intersectional Biases of Sentiment Analysis Systems in English, Spanish, and Arabic*. ACL Workshop on Language Technology for Equality, Diversity, Inclusion.