Rico Angell

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EDUCATION

University of Massachusetts, Amherst, MA

Ph.D. Student, Computer Science, September 2017 – Present
Advisor: Andrew McCallum

University of Michigan, Ann Arbor, MI

B.S.E. Computer Science and Engineering, Minor in Mathematics, May 2017

RESEARCH INTERESTS

Machine Learning, Optimization, Human-centered Artificial Intelligence

PUBLICATIONS

Rico Angell, Andrew McCallum. Fast, Scalable, Warm-Start Semidefinite Programming with Spectral Bundling and Sketching *arXiv preprint, 2023*

Brittany Johnson, Jesse Bartola, Rico Angell, Katherine Keith, Sam Witty, Stephen J Giguere, and Yuriy Brun. Fairkit, Fairkit, on the Wall, Who's the Fairest of Them All? Supporting Data Scientists in Training Fair Models. *EURO Journal on Decision Processes, 2023*

Rico Angell, Nicholas Monath, Nishant Yadav, and Andrew McCallum. Interactive Correlation Clustering with Existential Cluster Constraints. *The 39th International Conference on Machine Learning (ICML 2022)*

Dhruv Agarwal, Rico Angell, Nicholas Monath, and Andrew McCallum. Entity Linking via Explicit Mention-Mention Coreference Modeling. *Proceedings of the 2022 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL 2022)*

Nishant Yadav, Nicholas Monath, Rico Angell, and Andrew McCallum. Event and Entity Coreference using Trees to Encode Uncertainty in Joint Decisions. *Proceedings of the Fourth Workshop on Computational Models of Reference, Anaphora and Coreference (EMNLP/CRAC 2021)*

Rico Angell, Nicholas Monath, Sunil Mohan, Nishant Yadav and Andrew McCallum. Clustering-based Inference for Biomedical Entity Linking. *Proceedings of the 2021 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL 2021)*

Sunil Mohan, Rico Angell, Nick Monath, and Andrew McCallum. Low Resource Recognition and Linking of Biomedical Concepts from a Large Ontology. *Proceedings of the 12th ACM Conference on Bioinformatics, Computational Biology, and Health Informatics (BCB 2021)*

Arthur Feeney*, Rishabh Gupta*, Veronika Thost, Rico Angell, Gayathri Chandu, Yash Adhikari, and Tengfei Ma. Relation-Dependent Sampling for Multi-Relational Link Prediction. *ICML 2020 Workshop on Graph Representation Learning and Beyond (GRL+)*

Rico Angell and Daniel Sheldon. Inferring Latent Velocities from Weather Radar Data using Gaussian Processes. *The 32nd Conference on Neural Information Processing Systems (NeurIPS 2018)*

Rico Angell, Brittany Johnson, Yuriy Brun, and Alexandra Meliou. Themis: Automatically Testing Software for Discrimination. In *Proceedings of the 26th ACM Joint Meeting on European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE 2018)*

Rico Angell and Grant Schoenebeck. Don't Be Greedy: Leveraging Community Structure to Find High Quality Seed Sets for Influence Maximization. In *The 13th International Conference on Web and Internet Economics (WINE 2017)*

Rico Angell, Ben Oztalay, and Andrew DeOrio. A Topological Approach to Hardware Bug Triage. In *16th International Workshop on Microprocessor and SOC Test and Verification (MTV 2015)*

HONORS AND AWARDS	**University of Massachusetts** Passed Ph.D. candidacy with distinction, 2019 NSF Graduate Research Fellowship, Award Value: $102,000, 2019 NEAGEP Fellowship (funded by NSF), Award Value: $25,000, 2017 **University of Michigan** *Magna Cum Laude* Engineering Honors Program Summer Undergraduate Research in Engineering Program, Award Value: $4,200, 2015 Intel Semiconductor Research Corporation Undergraduate Fellowship, Award Value: $4,000, 2014 University Honors and Engineering Dean's List: All terms

RESEARCH
EXPERIENCE

Graduate Research Assistant   September 2017 – Present
University of Massachusetts, Amherst, MA

Research Intern   June 2021 – September 2021
Google Research, *Advised by Sandeep Tata*

Visiting Researcher   June 2020 – August 2020
Chan Zuckerberg Initiative, *Advised by Sunil Mohan*

Research Intern   May 2017 – August 2017
MIT Lincoln Laboratory, *Advised by Kyle O'Brien and Michael Yee*

Undergraduate Research Assistant   May 2015 – May 2017
University of Michigan, *Advised by Grant Schoenebeck*

Undergraduate Research Assistant   September 2013 – September 2015
University of Michigan, *Advised by Andrew DeOrio*

PROFESSIONAL
SERVICE

Reviewer
ICML 2022, NeurIPS 2022, ICML 2023, NeurIPS 2023, ACL ARR 2023, ICLR 2024

TEACHING
EXPERIENCE

University of Massachusetts
Teaching Assistant

- COMPSCI 696DS, Industry Mentorship Program, Spring 2021 and Spring 2022.

University of Michigan
Teaching Assistant

- EECS 280, Programming and Introductory Data Structures, Winter 2015.

REFERENCES   Available upon request.