

## Michael Miller Yoder

yoder@cs.cmu.edu  
319-804-8987  
cs.cmu.edu/~mamille2

5003 Broad St.  
Pittsburgh, PA 15224

---

EDUCATION	<b>Carnegie Mellon University</b> , Pittsburgh, PA <i>Ph.D.</i> , Language and Information Technologies Expected 2021 Advisor: Carolyn P. Rosé Thesis: “Computational Models of Identity Presentation in Language” <i>M.S.</i> , Language Technologies 2017  <b>Goshen College</b> , Goshen, IN <i>B.A.</i> , Computer Science 2013 Minors: English, International Studies
RESEARCH INTERESTS	Identity presentation in language, natural language processing, computational sociolinguistics, computational social science, discourse analysis, digital humanities
CONFERENCE PUBLICATIONS	<b>Phans, Stans and Cishets: Self-presentation Effects on Content Propagation in Tumblr</b> Michael Miller Yoder, Qinlan Shen, Yansen Wang, Alex Coda, Yunseok Jang, Yale Song, Kapil Thadani, Carolyn P. Rosé <i>Proceedings of the ACM Conference on Web Science (WebSci)</i> , 2020. PDF.  <b>Perceptions of Censorship and Moderation Bias in Political Debate Forums</b> Qinlan Shen, Michael Miller Yoder, Yohan Jo, Carolyn P. Rosé <i>Proceedings of the International AAAI Conference on Web and Social Media (ICWSM)</i> , 2018. PDF.  <b>Roles and Success in Wikipedia Talk Pages: Identifying Latent Patterns of Behavior</b> Keith Maki, Michael Miller Yoder, Yohan Jo, Carolyn P. Rosé <i>Proceedings of the International Joint Conference on Natural Language Processing (IJCNLP)</i> , 2017. PDF. <b>Best Student Paper Award.</b>  <b>Modeling Dialogue Acts with Content Word Filtering and Speaker Preferences</b> Yohan Jo, Michael Miller Yoder, Hyeju Jang, Carolyn P. Rosé <i>Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP)</i> , 2017. PDF.  <b>Code-Switching as a Social Act: The Case of Arabic Wikipedia Talk Pages</b> Michael Miller Yoder, Shruti Rijhwani, Carolyn P. Rosé, Lori Levin <i>Proceedings of the Workshop on Natural Language Processing and Computational Social Science (NLP+CSS)</i> , 2017. PDF.  <b>Metaphor Detection with Topic Transition, Emotion and Cognition in Context</b> Hyeju Jang, Yohan Jo, Qinlan Shen, Michael Miller, Shane Moon, Carolyn P. Rosé <i>Proceedings of the Association for Computational Linguistics (ACL)</i> , 2016. PDF.
JOURNAL ARTICLES	<b>Unpacking a Political Icon: “Bike Lanes” and Orders of Indexicality</b> Michael Miller Yoder, Barbara Johnstone <i>Discourse &amp; Communication</i> , 12(2), 192–208, 2018.

ARTICLES IN PREPARATION	<b>Draco, Harry and Intertextuality: Modeling Relationships Changes in Fanfiction</b> Michael Miller Yoder, Qinlan Shen, Luke Breitfeller, James Fiacco, Aakanksha Naik, Shefali Garg, Ethan Xuanyue Yang, Huiming Jin, Hariharan Muralidharan, Carolyn P. Rosé <i>Conference of the European Chapter of the Association for Computational Linguistics (EACL) 2021</i> . In Submission.	
INVITED TALKS	<b>Computational Models of Identity Presentation in Language</b> University of Pittsburgh Department of Linguistics, Pittsburgh, PA, 2020.	
PRESENTATIONS	<b>“Everyone is Gay and Nothing Hurts”: The Presentation of Queer Relationships in Fanfiction</b> Association for Computers and the Humanities, Pittsburgh, PA, 2019.  <b>Ron the Death Eater: Plotting Characterization from Canon to Fanfiction</b> Society for Text & Discourse, New York, NY, 2019.  <b>Identity and Interaction on Tumblr</b> Student Research Symposium Language Technologies Institute, Carnegie Mellon University, 2019. <b>Best Poster Award.</b>  <b>Linguistic Liminality: Tamazight, Arabic and French in Guigou, Morocco</b> Student Research Symposium, Goshen College, 2013. <b>Audience Choice Award.</b>	
TEACHING	<b>Computational Ethics for Natural Language Processing</b> <i>Teaching Assistant</i> Carnegie Mellon University	<b>Spring 2020</b>
	<b>Applied Machine Learning</b> <i>Teaching Assistant</i> Carnegie Mellon University	<b>Spring 2019</b>
	<b>Introduction to Artificial Intelligence</b> <i>Tutor</i> Goshen College	<b>Spring 2013</b>
PROFESSIONAL EXPERIENCE	<b>Software Engineering Intern</b> 2019 Detected communities of Tumblr users from social network structure. Explored community-specific language use. Advised by Dr. Kapil Thadani.	Yahoo Research/Tumblr New York, NY
	<b>Graduate Research Assistant</b> 2015–present Apply computational models of discourse to study social meaning in language, largely using social media datasets. Advised by Prof. Carolyn P. Rosé in the Language Technologies Institute.	Carnegie Mellon University Pittsburgh, PA
	<b>Research Programmer/Analyst</b> 2015 Designed and implemented neuroimaging database to support machine learning research. Advised by Prof. Timothy Verstynen in the Department of Psychology.	Carnegie Mellon University Pittsburgh, PA

	<b>Software Developer &amp; IT Administrator</b> 2014 <div style="text-align: right;">GSAREH</div> Austin, TX area Developed applications to recognize and map named entities in English and Arabic articles and social media. Managed software development and IT administration of small GIS startup, named Geospatial Applied Research Experts House.
HONORS & AWARDS	<b>NSF Graduate Research Fellowship</b> 2015–2018 Awarded national fellowship with a focus area in natural language processing.
	<b>President’s Leadership Award Scholarship, Goshen College</b> 2009–2013 Awarded top merit scholarship for leadership in academia.
MEMBERSHIPS & SERVICE	<i>Reviewing:</i> Conference on Computational Natural Language Learning (CoNLL) 2020, Association for Computational Linguistics (ACL) Student Research Workshop 2020 (including mentoring), Digital Humanities 2020, AACL-IJCNLP Student Research Workshop 2020, Human and Machine-in-the-Loop Evaluation and Learning Strategies Workshop (HAMLETS @ NeurIPS) 2020 <i>Memberships:</i> Association for Computational Linguistics, Association for Computers and the Humanities
INTERNATIONAL EXPERIENCE	<b>Bicycle Tourist</b> 2013–2014 <div style="text-align: right;">Paraguay, South America to Indiana, USA</div> Bicycled with a group of three over 10,000 miles from South America to the United States on an 11-month self-supported journey. Learned conversational Spanish and gained familiarity with Latin American culture.
	<b>Researcher and Service Worker</b> 2012 <div style="text-align: right;">Meknes and Guigou, Morocco</div> Studied Moroccan language and culture for 12 weeks while living with host families in urban and rural settings. Researched code-switching among Tamazight, French, Colloquial and Modern Standard Arabic speakers in the Middle Atlas Mountains.
	<b>Youth Camp Volunteer</b> 2011 <div style="text-align: right;">West Bank, Palestine &amp; Israel</div> Studied and practiced Levantine and Modern Standard Arabic for 9 weeks. Participated in history and learning tours of the Israeli-Palestinian conflict while living with a Palestinian friend’s family. Facilitated crafts and games for Palestinian youth.