Michael Miller Yoder

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5003 Broad St.

Pittsburgh, PA 15224

EDUCATION

Carnegie Mellon University, Pittsburgh, PA

Ph.D., Language and Information Technologies　　　　　　　　Expected 2020

　　　Advisor: Carolyn P. Rosé

　　　Thesis: "Computational Models of Identity Presentation in Language"

M.S., Language Technologies　　　　　　　　　　　　　　　　2017

Goshen College, Goshen, IN

B.A., Computer Science　　　　　　　　　　　　　　　　　　2013

　　　Minors: English, International Studies

RESEARCH INTERESTS

Computational sociolinguistics, identity presentation in language, social meaning in language, sociolinguistics, computational linguistics, discourse analysis, digital humanities

JOURNAL ARTICLES

Unpacking a Political Icon: "Bike Lanes" and Orders of Indexicality

Michael Miller Yoder, Barbara Johnstone

Discourse & Communication, 12(2), 192–208, 2018.

CONFERENCE PUBLICATIONS

Perceptions of Censorship and Moderation Bias in Political Debate Forums

Qinlan Shen, Michael Miller Yoder, Yohan Jo, Carolyn P. Rosé

Proceedings of the International AAAI Conference on Web and Social Media (ICWSM), 2018. PDF.

Roles and Success in Wikipedia Talk Pages: Identifying Latent Patterns of Behavior

Keith Maki, Michael Miller Yoder, Yohan Jo, Carolyn P. Rosé

Proceedings of the International Joint Conference on Natural Language Processing (IJCNLP), 2017. PDF.

Best Student Paper Award.

Modeling Dialogue Acts with Content Word Filtering and Speaker Preferences

Yohan Jo, Michael Miller Yoder, Hyeju Jang, Carolyn P. Rosé

Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP), 2017. PDF.

Code-Switching as a Social Act: The Case of Arabic Wikipedia Talk Pages

Michael Miller Yoder, Shruti Rijhwani, Carolyn P. Rosé, Lori Levin

Proceedings of the Workshop on Natural Language Processing and Computational Social Science (NLP+CSS), 2017. PDF.

Metaphor Detection with Topic Transition, Emotion and Cognition in Context

Hyeju Jang, Yohan Jo, Qinlan Shen, Michael Miller, Shane Moon, Carolyn P. Rosé

Proceedings of the Association for Computational Linguistics (ACL), 2016. PDF.

ARTICLES IN PREPARATION

Computational Explorations of Intertextuality: Modeling Shifts in Characterization from Canon to Fanfiction

Michael Miller Yoder, Qinlan Shen, Luke Breitfeller, James Fiacco, Shefali Garg, Ethan Xuanyue Yang, Huiming Jin, Hariharan Muralidharan, Carolyn P. Rosé

Discourse Processes. In Submission.

Phans, Stans, and Cishets: Self-Presentation Effects on Content Propagation in Tumblr
Michael Miller Yoder, Qinlan Shen, Alex Coda, Yunseok Jang, Yale Song, Kapil Thadani, Carolyn P. Rosé
In Preparation.

PRESENTATIONS
Ron the Death Eater: Plotting Characterization from Canon to Fanfiction
Society for Text & Discourse, New York, NY, 2019.

"Everyone is Gay and Nothing Hurts":
The Presentation of Queer Relationships in Fanfiction
Association for Computers and the Humanities, Pittsburgh, PA, 2019.

Identity and Interaction on Tumblr
Student Research Symposium
Language Technologies Institute, Carnegie Mellon University, 2019.
Best Poster Award.

Linguistic Liminality: Tamazight, Arabic and French in Guigou, Morocco
Student Research Symposium, Goshen College, 2013.
Audience Choice Award.

PROFESSIONAL
EXPERIENCE
Software Engineering Intern   Yahoo Research/Tumblr
2019   New York, NY
Detected communities of Tumblr users from social network structure. Explored community-specific language use. Advised by Dr. Kapil Thadani.

Graduate Research Assistant   Carnegie Mellon University
2015–present   Pittsburgh, PA
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.

Research Programmer/Analyst   Carnegie Mellon University
2015   Pittsburgh, PA
Designed and implemented neuroimaging database to support machine learning research. Advised by Prof. Timothy Verstynen in the Department of Psychology.

Software Developer &   GSAREH
IT Adminstrator
2014   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.

TEACHING
Computational Ethics for Natural Language Processing   **Spring 2020**
(planned)
Teaching Assistant
Carnegie Mellon University

Applied Machine Learning   **Spring 2019**
Teaching Assistant
Carnegie Mellon University

Introduction to Artificial Intelligence   **Spring 2013**
Tutor
Goshen College

HONORS &
AWARDS

NSF Graduate Research Fellowship
2015–2018
Awarded national fellowship with a focus area in natural language processing.

President's Leadership Award Scholarship, Goshen College
2009–2013
Awarded top merit scholarship for leadership in academia.

INTERNATIONAL
EXPERIENCE

Bicycle Tourist
2013–2014   Paraguay, South America to Indiana, USA
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.

Researcher and Service Worker
2012   Meknes and Guigou, Morocco
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.

Youth Camp Volunteer
2011   West Bank, Palestine & Israel
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.

MEMBERSHIPS &
SERVICE

Memberships: Association for Computational Linguistics, Association for Computers and the Humanities, Society for Text & Discourse
Reviewing: Digital Humanities 2020