Michael Miller Yoder

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Pittsburgh, PA 15224

EDUCATION

Carnegie Mellon University, Pittsburgh, PA
Ph.D., Language and Information Technologies   Expected 2021
    Advisor: Carolyn P. Rosé
M.S., Language Technologies   2017

Goshen College, Goshen, IN
B.A., Computer Science   2013
    Minors: English, International Studies

RESEARCH INTERESTS

Identity presentation in language, development of social associations with language, computational sociolinguistics, natural language processing, discourse analysis, digital humanities

CONFERENCE PUBLICATIONS

Perceptions of Censorship and Moderation Bias in Political Debate Forums
Qinlan Shen, Michael Miller Yoder, Yohan Jo, Carolyn P. Rosé
Proceedings of ICWSM 2018.

Roles and Success in Wikipedia Talk Pages: Identifying Latent Patterns of Behavior
Keith Maki, Michael Miller Yoder, Yohan Jo, Carolyn P. Rosé
Proceedings of IJCNLP 2017. **Best Student Paper Award.**

Modeling Dialogue Acts with Content Word Filtering and Speaker Preferences
Michael Miller Yoder, Shruti Rijhwani, Carolyn P. Rosé, Lori Levin
Proceedings of the Second Workshop on Natural Language Processing and Computational Social Science, 2017.

Code-Switching as a Social Act: The Case of Arabic Wikipedia Talk Pages
Keith Maki, Michael Miller Yoder, Yohan Jo, Carolyn P. Rosé
Proceedings of EMNLP 2017.

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 ACL 2016.

JOURNAL ARTICLES

Unpacking a Political Icon: "Bike Lanes" and Orders of Indexicality
Michael Miller Yoder, Barbara Johnstone
Discourse & Communication 12(2), 192–208, 2018.

PROJECTS

Hate Speech Identification: Developed hate speech identification system without relying on derogatory terms. Improved identification performance on two Twitter hate speech datasets and provided analysis of potential improvements for better generalization to other hate speech domains.

Identity Performance on Tumblr: Designed task and assembled dataset of social media content related to self-identification among age, gender/sexuality, personality type, ethnicity/nationality, and other dimensions of identity. Implemented machine learning system to identify social media content related to each dimension.

EXPERIENCE

Graduate Research Assistant   Carnegie Mellon University
2015–present   Pittsburgh, PA
Apply computational models of discourse to study social meaning in language on social media. 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
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.