Matthew D. Sweitzer, M.A.
Ph.D. Candidate

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Qualifications

- Proficient in *R*, Python, Javascript, and SQL computing languages, as well as distributed batch scheduling on supercomputers running Red Hat Enterprise Linux.
- Designed, implemented, analyzed, and published computational social scientific research using a variety of methods, including cross-sectional and longitudinal social network analysis, natural language processing, machine learning, structural equation modeling, bayesian statistics, and maximum likelihood estimation.
- History of taking on complex responsibilities, communicating with diverse and interdisciplinary team members, and managing multiple projects and teams, in both academic and industry research settings.

Education

OHIO STATE UNIVERSITY	OHIO STATE UNIVERSITY	UNIVERSITY OF MISSOURI
Ph.D., Communication	M.A., Communication	B.A. (Honors), Communication
Anticipated graduation: May 2021	*Graduated May 2019*	*Graduated May 2012*

Recent Employment History

Graduate Technical Intern, May, 2019 – Present
SANDIA NATIONAL LABORATORIES, Machine Intelligence Group – Albuquerque, NM
- Led the development and testing of new network analytic measures and their predictive capacity of social group stability in machine learning models.
- Presented results at both internal funding meetings and a complexity science conference.
- Consulted on two additional projects using agent-based modeling and natural language processing.

Graduate Research & Teaching Associate, August, 2015 – Present
OHIO STATE UNIVERSITY, School of Communication – Columbus, OH
- Designed, implemented, and analyzed data for several social-scientific studies involving a wide array of methods and procedures.
- Trained and managed other graduate and undergraduate research assistants.
- Contributed to a successful application for a research grant (Miller Award, see full CV on my website).
- Independently taught communication industry research methods and persuasive communication courses.
- Assisted in the instruction of crisis communication and industry research methods, including guest lectures.
- Crafted and graded assignments, including examples of research designs and data analyses.

Additional Training

- *Complex Systems Summer School*, Santa Fe Institute, June 10 – July 6, 2018
- *Workshops on Social Network Analysis*, Political Networks Conference, June 14 – 15, 2017
- *Statistical Horizons* workshop on structural equation modeling, The Ohio State University, August 8 – 9, 2016

Additional Accomplishments and Awards

- Published 11 articles in top-ranked, peer-reviewed academic journals.
- Presented 22 projects at academic conferences in communication, political science, and complexity science.
- Won three top paper awards from the International Communication Association, the National Communication Association, and the International Society for Self and Identity.
- *Doris Gildea Morgan Scholarship* (senior researcher of the year) - Ohio State University, School of Communication (Awarded 2019)
- *Walter B. Emery Memorial Scholarship* (junior researcher of the year) - Ohio State University, School of Communication (Awarded 2018)
- *2017 Graduate Fellowship Award* - Political Networks Conference
- *Member* – Lambda Pi Eta National Communication Honors Society, Chi Beta chapter
- *Edward and Ellen Kniep Memorial Scholarship* – University of Missouri (Awarded 2008-2012)
- *John and Virginia Sutherland Scholarship* – University of Missouri (Awarded 2008-2012)