

# Nolan Jahn

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## Education & Training

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| 2020-Present | Ph.D, Michigan State University, East Lansing, MI<br>Communication<br>Advisor: Dr. Ralf Schmälzle, PhD                                                                                                       |
| 2018-2020    | M.A., Michigan State University, East Lansing, MI<br>Communication<br>Advisor: Dr. Ralf Schmälzle, PhD<br>Thesis: <i>Using low-cost mobile EEG devices to examine Emotional Responses to Visual Messages</i> |
| 2013-2017    | B.S., Michigan State University, East Lansing, MI<br>Neuroscience, minor in Science, Technology, Environmental and Public Policy.                                                                            |
| 2017         | Independent Study, Michigan State University, MI<br>Advisory: Ralf Schmälzle, PhD<br>Brain Segmentation, 3D Printing, and Virtual Reality Brain Modeling                                                     |

## Research Interests

Communication Neuroscience  
Political Communication  
Health Communication

## Peer-Reviewed Publications

Schmälzle, R., Wilcox, S., & **Jahn, N. T.** (2022). Identifying moments of peak audience engagement from brain responses during story listening. *Communication Monographs*, 1–24.

**Jahn, N.T.**, Meshi, D., Bente, G., & Schmälzle, R. (2022). Electrical neuroimaging on a shoestring: Using the Muse to examine brain responses to visual media. *Journal of Media Psychology*.

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Levine, K.J., **Jahn, N.T.**, Kotz, E., & Roscenkws, A. (2020). What do our Lakes mean to us?: An understanding of Michigan coastline communities' perceptions of the Great Lakes. *Journal of Great Lakes Research*, 46(6), 1716-1725. <https://doi.org/10.1016/j.jglr.2020.09.001>

Fanning, P., Luttinen, B.E., Johnson, A.E., Espeland, E.M., **Jahn, N.T.**, and Isaacs, R. (2019). Behavioral and physiological resistance to desiccation in spotted wing *Drosophila*, *Drosophila suzukii*. *Environmental Entomology* 48, 792-798. doi: 10.1093/ee/nvz070.

## Manuscripts in Preparation

Bente, G., Schmälzle, R., Jahn, N.T., Schaaf, A. (in press)

Bente, G., Kryston, K., **Jahn, N.T.**, & Schmälzle, R. (in press). Building Blocks of Suspense. Subjective and Physiological Effects of Narrative Content and Film Music. *Humanities and Social Sciences Communications*.

## Peer Reviewed Conference Proceedings

**Jahn, N.**, Schmälzle, R., and Bente, G. (2022, May). Mutual gaze in communication: Validation of a dyadic approach to studying gaze in social interaction. 72nd Annual International Communication Association Conference.

Schmälzle, R., Wilcox, S., **Jahn, N.**, Lim, S., and Ye, Q. (2022, May). Common Story-Induced Brain Responses Across Languages: How 'Le Petit Prince' Connects the Brains of French, Chinese, and English Listeners. 72nd Annual International Communication Association Conference.

Bente, G., Schaaf, A., Schmälzle, R., Jahn, N., and Lee, J. (2022, May). Measuring the Effects of Spatial Co-Presence on Emotion Perception in Virtual Environments. 72nd Annual International Communication Association Conference.

Jahn, N.T., & Schmälzle, R. (2020, Nov.). Communication neuroscience on a shoestring: Using low-cost mobile EEG devices to examine responses to visual messages. Paper accepted to the 106th Annual Meeting for the National Communication Association, Indianapolis, IN.

Grall, C., Jahn, N., & Schmälzle, R. (2019, Nov.). The relationship between collective brain dynamics and audience perceptions of suspense in response to narrative media. Paper accepted to the 105th Annual Meeting of the National Communication Association, Baltimore, MD.

## Research & Work Experience

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2019-Present	Graduate Assistant to Dr. Gary Bente CARISMA Lab Department of Communication Michigan State University Working under NSF grant to unify several streams of data collection – motion capture, PPG, eye tracking, & EEG – into a time-synchronized series. Collecting data from dyadic interactions. Training and leading undergraduate research assistants in data collection.
2019-2020	Graduate Assistant to Dr. Kenneth Levine Michigan Coastal Zone Management Program Grant Department of Communication Michigan State University Conducted focus groups and thematic data analysis.
2018-Present	Research Assistant to Dr. Ralf Schmälzle Neuroscience of Messages Lab Department of Communication Michigan State University Using mobile EEG caps and headbands for neuroimaging in natural settings. Programming studies and data analysis in Python.
2017-2018	Research Assistant to Dr. Rufus Isaacs Isaacs Lab, Berry Crops Entomology and Pollination Ecology Michigan State University Collected data on berry crop entomology and helped plan research projects. Worked with MSU extension to connect with private agricultural growers.
2016	Communication and Marketing Intern Association of Fish and Wildlife Agencies (AFWA) Washington D.C. Designed fact sheets for Congressional staffers, edited a Blue-Ribbon Panel press release into a promotional video, and maintained a social media presence.

## Teaching Experience

2020- Present	Teaching Assistant Michigan State University COM 100: Human Communication
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2019	Guest Lecture COM 399: Special Topics Communication Neuroscience Lecture topic: Use of EEG in communication of neuroscience and mobile EEG systems.
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## Skills

EEG data collection and analysis  
Eye tracking data collection and analysis  
Motion Capture data collection and analysis  
Use of Python  
Use of MATLAB  
Use of R  
SPSS Data Analysis

## Awards & Honors

2019-Present	Graduate Assistantship, Department of Communication, Michigan State University
2019	Academic funding by Department of Communication Michigan State University
2017	<i>Magna cum laude</i> , Department of Neuroscience, Michigan State University
2016	William A. Demmer Scholar, Michigan State University