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EDUCATION

M.A., History, Concentration in Public History, *College of Charleston (CofC)* 2026 – Present

B.A., Psychology, Cognitive Science with Honors & Minor in French, *State University of New York (SUNY) Oswego*
2023

- Honors Thesis: The Impact of Biases in Facial Recognition Artificial Neural Networks
- Advisors: Theo Rhodes & John K. Lindstedt

PROFESSIONAL AND COMMUNITY EXPERIENCE

Digital Library Analyst, *Lowcountry Digital Library, CofC* Aug. 2025 – Present

- Create and perform quality control checks for metadata, following the MODS schema and using approved thesauruses for controlled subject headings
- Upload over 17,000 files to 46+ digital collections in various formats, including text, multimedia, and image data
- Execute digital information search and retrieval processes, supporting digital reference services for partner organizations
- Update 12 WordPress sites and 2 Windows servers, reducing security risks and enforcing accessibility via WCAG standards
- Conduct historical research by referencing Finding Aids to support accurate metadata descriptions for patrons

Psychology Summer Camp, *Brain Research Across Development Lab, Study of Trauma, Adolescents, Relationships & Resilience Lab, University of South Carolina (UofSC)* Jun. – Jul. 2025

- Recorded detailed behavioral observations across activities, tracking mood, participation, and social interaction to enhance clinical team support
- Coordinated four weeks of psychology summer camps for 20 adolescents, overseeing logistics, staff and camper management

Rooster Tales Summer Camp, *Brain Research Across Development Lab, Theater Department, UofSC* Jun. 2024, 2025

- Administered protocol for 7 survey measures for a study on a theatre summer camp in autistic adolescents ages 10-14
- Developed, formatted, implemented, and tracked 2 survey databases for completion for 8-9 participants in REDCap

Peer Support & Social Group Facilitator, *Harriet Hancock Center* Nov. 2024 – Jul. 2025

- Facilitate and lead group discussions with up to 20 attendees per month, focusing on mental health and peer support
- Collaborate with the Communications Coordinator to create social media posts and boost engagement peer groups

Summer Camp Instructor, *New Bethel Foundation* Jul. 2024

- Designed and implemented lesson plans tailored to the developmental stages and motor skills of children aged 5-17..
- Implemented classroom behavior management strategies to maintain an orderly learning environment of 30 children.

Students Helping Oz Peers (SHOP) Coordinator, *SUNY Oswego, Dean of Students Office* Aug. 2022 - May 2023

- Managed over \$3,000 of donation funds to procure food and hygiene supplies, ensuring consistent inventory levels
- Supervised four interns and over 80 student volunteers annually, ensuring smooth day-to-day operations

RESEARCH EXPERIENCE

Research Assistant, *Brain Research Across Development Lab, University of South Carolina (UofSC)* 2024 – 2025

- Manage and mentor up to 12 interns, developing systems to improve organization and communication across leadership and staff for multiple projects
- Identified and implemented system and process improvements, increasing productivity and task management by 40%.
- Develop and maintain 6 REDCap databases containing 30+ measures, ensuring accurate documentation and compliance to study protocols
- Design and implement experimental tasks, creating 2 novel tasks and refining 3 existing paradigms

- Volunteer Researcher**, *Study of Trauma, Adolescents, Relationships, & Resilience*, *UofSC* 2023 – 2026
- Author a research paper and refine introduction, methods, results, and discussion sections
 - Ensure accuracy and consistency of results by re-running 20 analyses on two separate datasets using R
- Volunteer Data Collector**, JKLAB (PI: John K. Lindstedt), *SUNY Oswego* 2022
- Recruited participants through SONA Systems, ensuring strict adherence to lab guidelines and procedures
 - Created and refined 10 experimental auditory stimuli using Audacity
- Volunteer Research Assistant**, Cognitive Neuroscience Lab (Co-PI: Sien Hu, Theo Rhodes), *SUNY Oswego* 2021 – 2023
- Developed a comprehensive script to analyze behavioral functional magnetic resonance imaging (fMRI) data on reaction time dynamics for two participant groups
 - Completed a safety exam and earned certification to use the 3T CABIN MRI machine at the University of Rochester
- Volunteer Research Assistant**, Relationships Across Development Lab (PI: Matthew Dykas), *SUNY Oswego* 2020 – 2021
- Collected data from 10 participants via Zoom, adhering to study protocols and maintaining confidentiality
 - Presented preliminary research findings through a poster presentation at SUNY Oswego's annual research symposium.

PUBLICATIONS

1. **Wingard, E.M.** (2023, May). *The Impact of Biases in Facial Recognition Artificial Neural Networks*. *Illuminate NRHC*, 5, 25-32. ([paper](#))

PRESENTATIONS

1. Nelson, K., R., Nelson, C. M., Johnson, M., **Wingard, E. M.**, Hudac, C. M. (March & April, 2026). *When a Face Feels Familiar: How Connections Influence Adolescent Brain Responses to Friend's Faces*. Presented at the 2026 Institute for Mind and Brain Conference: Creativity in Human and Artificial Systems, Columbia, SC. Presented at the 2026 Society for Research on Adolescence Conference, Toronto, Canada. ([poster](#))
2. **Wingard, E.M.** (2026, August). *Beyond the Black Box: Digital Library Workflows for the Lowcountry Digital Library*. Presented at LibLearning Retreat, Charleston, SC. ([slides](#))
3. **Wingard, E.M.**, Nelson, C.M., Xia, M., & Hudac, C.M. (2025, April). *Is Friendship in the Cards? How Adolescent Brains Make Quantity Decisions Involving Friendship*. Presented at the Social & Affective Neuroscience Society annual meeting, Chicago, IL. ([poster](#))
4. Johnson, M., **Wingard, E.M.**, Nelson, C.M., & Hudac, C.M. (2025, April). *Do I know you? Influence of adolescent social interactions on brain responses to familiar and AI-generated faces*. Presented at the Social & Affective Neuroscience Society annual meeting, Chicago, IL. ([poster](#))
5. Arcement, J., Patel, M., **Wingard, E.M.**, Cheever, A., McFadden, J., Nelson, C.M., & Hudac, C.M. (2025, April). *The Influence of Anxiety on Social Preferences in Adolescents: Exploring Group Size and Duration Choices*. Presented at DiscoverUSC, Columbia, SC. ([poster](#))
6. Hersey, J., Du Plessis, V., **Wingard, E.M.**, McFadden, J., Nelson, C.M., & Hudac, C.M. (2025, April). *Social Quantity Preferences in Adolescence: Investigating the Correlation between the Need to Belong and Decisions in Social Quantity*. Poster at DiscoverUSC, Columbia, SC. ([poster](#))
7. **Wingard, E.M.**, Cheever, A. (2024). *Importance of Inclusion in Science*. B-RAD lab website article. ([article](#))
8. Nelson, C. M., Johnson, M., **Wingard, E. M.**, & Hudac, C. M. (2024, May). *Characterizing friendships and other relationships in autistic adolescents*. Talk at The Love Consortium, Chapel Hill, NC. ([slides](#))
9. Hersey, J., Morgan, A., Cheever, A., Nelson, C.M., **Wingard, E.M.**, & Hudac, C.M. (2024, April). *Exploring Nonverbal Communication Differences Among Individuals in Romantic Partnerships: A Neuroscientific Perspective*. Award-winning section poster presented at DiscoverUSC, Columbia, SC. ([poster](#))

10. McCune, M., Turner, B., Vidal, L., Nelson, C.M., **Wingard, E.M.**, & Hudac, C.M. (2024, April). *The Adolescent Brain: Quantifying the Relationship Between Social Awareness and Perception of Upright and Inverted Faces*. Presented at DiscoverUSC, Columbia, SC. ([poster](#))
11. Khan, M., Patel, M., Tupple, B., **Wingard, E.M.**, Nelson, C.M., & Hudac, C.M. (2024, April). *The Effect of Sleep Quality as Measured by Couple's Sleep Performance in Charades*. Presented at DiscoverUSC, Columbia, SC. ([poster](#))
12. Johnson, M., **Wingard, E. M.**, Nelson, C.M., & Hudac, C.M. (2024, April). *Do I Know You? Brain Responses to Familiar and AI-Generated Faces*. Presented at DiscoverUSC, Columbia, SC. Presented at the Social & Affective Neuroscience Society annual meeting, Toronto, Canada. ([poster](#))
13. **Wingard, E.M.** (2023, April). *The Impact of Biases in Facial Recognition Artificial Neural Networks*. Presented at Northeast Regional Honors Conference (NRHC), Pittsburgh, PA. ([poster](#))
14. **Wingard, E.M.** (2023, April). *The Impact of Biases in Facial Recognition Artificial Neural Networks: Towards More Ethical AI Past, Present, and Future*. Presented at Quest Week, Oswego, NY. ([slides](#))
15. **Wingard, E.M.** (2023, April). *French Polynesia: Flora and Fauna*. Presented at Quest Week, Oswego, NY. ([slides](#))
16. Dykas, M., **Wingard, E.M.** (2021, April). *Does Making Narcissists 'Feel Bad' Make Them Want to Be Better People?* Presented at Quest Week, Oswego, NY. ([poster](#))

SERVICE & LEADERSHIP

For the public:

Volunteer, <i>Wikimedia Foundation</i>	2026 – Present
Transcriber, Translator	2025 – Present
<i>Library of Congress, Zooniverse, Smithsonian, National Archives, South Carolina Historical Society, Colored Conventions Project, Lowcountry Digital Library, WikiSource</i>	2026 – Present
Volunteer Software Developer, <i>FreeMoCap Foundation</i>	2025
Volunteer Research Judge, <i>SC Junior Science and Humanities Symposium (JSHS), University of South Carolina Region II Science and Engineering Fair, DiscoverUSC</i>	2024 – 2025
B-RAD Lab Outreach, presentations at <i>Neuroscience Club (University of South Carolina), Alianza Latina</i>	2024 – 2025

For the discipline:

Peer Review, *DigitalArc Toolkit*
2026

For the College of Charleston:

Buist Academy Digital Research Mentor	2026
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For the University of South Carolina:

Carolina Autism and Neurodevelopment Research Center (CAN) Trainee Committee	2024 – 2025
Advisory Board Member, Ph.D. Candidate, Rhys Dreeszen-Bowman, <i>University of South Carolina</i>	2024 – 2025
Thesis Advisor, Ph.D. Candidate, Miranda Foster, <i>University of South Carolina</i>	2024

For the State University of New York at Oswego:

Graduates Of the Last Decade (GOLD) Leadership Council, <i>SUNY Oswego Alumni Engagement</i>	2025 – 2026
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HONORS & AWARDS

Principal's Fellowship Award (\$2,334), College of Charleston	2026
Cistern Standard Award of Integrity, College of Charleston	2025
TransTech Social x Linux Foundation Training & Certification Scholarship (\$600)	2024
SUNY Oswego Student Travel Award (\$325), SUNY Oswego	2023
Distinguished Cognitive Science Senior Award & Excellence in French Award, SUNY Oswego	2023

PROFESSIONAL MEMBERSHIPS

Charleston Archives, Libraries and Museums Council (CALM), Member	2026 – Present
National Association for Interpretation, Member	2026 – 2027
Social Networks and Archival Contexts (SNAC), Member	2026 – Present