Garrett D. Greeley, Ph.D.

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Experience

Postdoctoral Associate   **2024 - Present**
Stony Brook University (remote from TX)   *Stony Brook, NY*

I am currently a Postdoctoral Associate working with Suparna Rajaram, Ph.D. in the Social Memory and Cognition lab. My research targets how memory operates in social and non-social contexts. My research has focused on the nature of memory transmission, collective memory, retrieval dynamics, new learning, and false memory. I leverage a variety of methods to investigate these topics, including behavioral experiments, advanced statistical tools, and computational techniques such as network analysis and representational similarity analysis. In an ongoing project, I am examining whether collaborative recall (compared to individual recall) influences the *subsequent learning* of new material and whether collaboration *protects original learning* against interference that can occur during subsequent learning. In other work, I am exploring the dynamics of false memory, specifically where false memories manifest throughout the retrieval process, with the intention of characterizing the organizational principles that reveal how memory errors become integrated into true memory representations. In pursuing these lines of research, my **overarching goal is to uncover the fundamental operations of the human memory system** while doing work that has clear potential to inform more applied work on learning, education, social networking, and the social transmission of information.

Education

Stony Brook University   **2024**
Ph.D. – Cognitive Science   *Stony Brook, NY*
Advisor: Suparna Rajaram, Ph.D.
Certificate: Advanced Certificate in Quantitative Methods

Stony Brook University   **2021**
M.A. – Psychology (Earned en route to Ph.D.)   *Stony Brook, NY*

Winona State University   **2018**
B.A. – Psychology – Cum Laude & Honors in the Major   *Winona, MN*

Research: Publications

Note: * *Indicates first/co-first authorship; section includes papers under review/revision*

Jin, J.*, Choi, H-Y.*, **Greeley, G. D.**, Pepe, N. W., Kensinger, E. A., Mohanty, A., & Rajaram, S. (In Press). Assessing the Global Structure of Collective Memory: Application of the Representational Similarity Analysis. *Journal of Experimental Psychology: General.*

Greeley, G. D.*, Peña, T., Pepe, N. W., Choi, H-Y., & Rajaram, S. (In Press). Collective Memory and Fluency Tasks: Leveraging Network Analysis for a Richer Understanding of Collective Cognition. *Canadian Journal of Experimental Psychology.*

Rajaram, S., **Greeley, G. D.**, & Peña, T. (In Press). *Collaborative Memory: A Selective Review - Updated.* In J. T. Wixted (Ed. in Chief) & L. Mickeys (Vol. Ed), Learning and Memory: A Comprehensive Reference, 2nd Edition - Memory & Cognition Volume.

Greeley, G. D.*, Chan, V., Choi, H-Y., & Rajaram, S. (2023). Collaborative Recall and the Construction of Collective Memory Organization: The Impact of Group Structure. *Topics in Cognitive Science, 0,* $1-20$. https://doi.org/10.1111/tops.12639

Greeley, G. D.* & Rajaram, S. (2023). Collective Memory: Collaborative Recall Synchronizes What and How People Remember. *WIREs Cognitive Science, e1641*, https://doi.org/10.1002/wcs.1641

Greeley, G. D.*, Peña, T.*, & Rajaram, S. (2022). Social Remembering in the Digital Age: Implications for Virtual Study, Work, and Social Engagement. *Memory, Mind & Media, 1 (e13)*, 1−23. https://doi.org/10.1017/mem.2022.3

Rajaram, S., Peña, T., & **Greeley, G. D.** (2022). *How Collective Memories Emerge: A Cognitive Psychological Perspective.* In H. L. Roediger & J. Wertsch (Eds.), National Memories: Constructing Identity in Populist Times. Oxford: Academic Press. Book Website

Research: Manuscripts in Preparation

Greeley, G. D.* & Rajaram, S. (In Prep). Downstream Consequences of Collaborative Recall: Testing the Influence on New Learning and Protection of Original Learning. *Manuscript in Preparation.*

Greeley, G. D.* & Rajaram, S. (In Prep). Integration of False Information in the Organization of Individual and Collective Memory (working title). *Manuscript in Preparation.*

Research: Posters & Talks

Greeley, G. D.* & Rajaram, S. (2024). Integration of False Information in the Organization of Individual and Collective Memory: Putting Together the Puzzle Pieces of True and False Memory. *To be be presented as a poster at the 65th Annual Meeting of the Psychonomic Society – New York, New York.*

Greeley, G. D.* & Rajaram, S. (2023). Downstream Consequences of Collaborative Recall: Testing the Influence on New Learning and Protection of Original Learning. *Presented as a poster at the 64th Annual Meeting of the Psychonomic Society – San Francisco, California.* **Winner - Graduate Conference Award**

Greeley, G. D.*, Peña, T., Pepe, N. W., Choi, H-Y., & Rajaram, S. (2023). Collective Memory for U.S. Cities Across a Decade: A Striking Stability Across Time and Experimental Contexts. *Presented as a poster presentation at the 14th Meeting of the Society for Applied Research in Memory and Cognition (SARMAC) – Nagoya, Japan.*

Greeley, G. D.*, Chan, V., Choi, H-Y., & Rajaram, S. (2023). Collaborative Recall and the Construction of Collective Memory Organization: The Impact of Group Structure. *Presented as a poster presentation at the 2023 Association for Psychological Science (APS) Annual Convention – Washington, DC.*

Greeley, G. D.* & Rajaram, S. (2023). Collaborative Recall and the Subsequent Learning of New Material. *Presented at Stony Brook University's Cognitive Science Area 2nd/4th Year Symposium – Virtual.*

Greeley, G. D.*, Chan, V., Choi, H-Y., & Rajaram, S. (2022). Collaborative Recall and the Construction of Collective Memory Organization: The Impact of Group Structure. *Presented as a poster presentation at the 63rd Annual Meeting of the Psychonomic Society – Boston, MA.*

Chan, V., **Greeley, G. D.**, & Rajaram, S. (2022). How Does Recalling the Past with the Same versus Different Conversational Partners Shape our Collective Memory Structures?: A Secondary Data Analysis. *Presented as a poster at Stony Brook University's URECA Conference – Stony Brook, NY.*

Greeley, G. D.*, Peña, T., Pepe, N. W., Choi, H-Y., & Rajaram, S. (2021). Collective Memory for U.S. Cities: A Striking Stability in Recall Through a Period of Upheaval. *Presented as a poster at the 62nd Annual Meeting of the Psychonomic Society – Virtual.*

Jin, J., Choi, H-Y., Pepe, N. W., **Greeley, G. D.**, Kensinger, E. A., Mohanty, A., & Rajaram, S. (2021). Assessing the Global Structure of Collective Memory: Application of the Representational Similarity Analysis. *Presented as a poster at the 62nd Annual Meeting of the Psychonomic Society – Virtual.*

Greeley, G. D.*, Peña, T.*, & Rajaram, S. (2021). Collaborative Remembering in a Fully Online, Chat-Based Environment: Implications for Remote Study and Work. *Presented as a poster at the 62nd Annual Meeting of the Psychonomic Society – Virtual.*

Greeley, G. D.*, Peña, T.*, & Rajaram, S. (2021). Collaborative Remembering in a Fully Online, Chat-Based Environment: Implications for Remote Study and Work. *Presented at Stony Brook University's Cognitive Science Area 2nd/4th Year Symposium – Virtual.*

Smith, E., **Greeley, G. D.**, & Russell, E. (2019). Correspondence Bias: Gender Effects Across Temporal Scales. *Poster presented at the 2019 Midwestern Psychological Association (MPA) Conference – Chicago, IL.*

Greeley, G. D. (2018). Predictive Processing Effects in Visual Working Memory? *Poster presented at Winona State University's 12th Annual Ramaley Research Celebration – Winona, MN.*

Greeley, G. D. (2018). Predictive Processing Effects in Visual Working Memory? *Poster presented at the Minnesota Undergraduate Psychology Conference (MUPC) - Carleton College, Northfield, MN.*

"Actualizing Activism" Course Group. (2016). Mental Health on Campus: Raising Awareness and Reducing Stigma. *Organized presentation and panel discussion at Gustavus Adolphus College, St. Peter, MN.*

Research: Dissertation

The Puzzle Pieces of True and False Memory | *Dissertation*   **Defended 2024**

- *Full Title*: Integration of False Information in the Organization of Individual and Collective Memory: Putting Together the Puzzle Pieces of True and False Memory
- *Committee Members*: Suparna Rajaram, Ph.D. (Advisor); Lauren Richmond, Ph.D. (Committee Chair); Anne Moyer, Ph.D.; Jingwen (Frances) Jin, Ph.D.

Research: Internship

Yale University   **Summer 2018**
Research Intern | Cognition & Development Lab   *New Haven, CT*
- Assisted with research in the lab of Frank Keil, Ph.D., working primarily with graduate student Emory Richardson on the following project: *Richardson, E., Sheskin, M., & Keil, F. C. (2021). An Illusion of Self-Sufficiency for Learning About Artifacts in Scaffolded Learners, But Not Observers. Child Development, 92(4), 1523-1538. https://doi.org/10.1111/cdev.13506*

Teaching Experience

Introduction to Psychology   **Spring 2024**
Teaching Assistant − In-Person   *Stony Brook, NY*
  * *Faculty Instructor*: Pamela DeRosse, Ph.D.

Statistical Methods in Psychology   **Fall 2023**
Teaching Assistant − In-Person   *Stony Brook, NY*
  * *Faculty Instructor*: Brenda Anderson, Ph.D.

Psychology of Learning   **Spring 2023**
Teaching Assistant − Virtual   *Stony Brook, NY*
  * *Faculty Instructor*: Nicholas Pepe, Ph.D.

Memory   **Fall 2022**
Teaching Assistant − Virtual   *Stony Brook, NY*
  * *Faculty Instructor*: Lauren Richmond, Ph.D.

Intro. to Computer Applications in Statistics (Using R)   **Spring 2021**
Lab Instructor − Virtual   *Stony Brook, NY*

* *Faculty Instructor (Lecture)*: Nicholas Eaton, Ph.D.
* *Note*: This course involved extensive, hands-on instruction and filled one of two departmental **SDI** ("Substantial Direct Instruction") requirements.

Research and Writing for Psychology Fall 2020

Lab Instructor − Virtual *Stony Brook, NY*

* *Faculty Instructor (Lecture)*: Christian Luhmann, Ph.D.
* *Note*: This course involved extensive, hands-on instruction and filled one of two departmental **SDI** ("Substantial Direct Instruction") requirements.

Statistical Methods in Psychology Spring 2020

Teaching Assistant − Virtual After March *Stony Brook, NY*

* *Faculty Instructor*: Antonio Freitas, Ph.D.

Introduction to Psychology Fall 2019

Teaching Assistant − In-Person *Stony Brook, NY*

* *Faculty Instructor*: Joy Bolger, M.S./L.M.H.C.

Cognitive Psychology Fall 2017

Teaching Assistant − In-Person *Winona, MN*

* *Faculty Instructor*: Gloria Marmolejo, Ph.D.

Graduate Coursework

Structural Equation Modeling & Advanced Multivariate Methods Fall 2021
Faculty Instructor: Nicholas Eaton, Ph.D.

History of Psychology Fall 2021
Faculty Instructor: Matthew Lerner, Ph.D.

Multilevel Modeling Spring 2021
Faculty Instructor: Stacey Scott, Ph.D.

Theories of Social Psychology: Health Applications Spring 2021
Faculty Instructor: Anne Moyer, Ph.D.

Cognitive Aging Fall 2020
Faculty Instructor: Lauren Richmond, Ph.D.

Meta-Analysis Fall 2020
Faculty Instructor: Anne Moyer, Ph.D.

Judgement & Decision Making Spring 2020
Faculty Instructor: Christian Luhmann, Ph.D.

Correlation & Regression Spring 2020
Faculty Instructor: Nicholas Eaton, Ph.D.

Intro. to Computer Applications in Statistics (Using R) Spring 2020
Lab Instructors: Tori Peña, M.A. & Mary Beth Apriceno, M.A.

Memory Fall 2019
Faculty Instructor: Suparna Rajaram, Ph.D.

Analysis of Variance & Experimental Design Fall 2019
Faculty Instructor: Arthur Samuel, Ph.D.

Intro. to Computer Applications in Statistics (Using SPSS) Fall 2019
Lab Instructors: Elizabeth Inman, M.A. & Tori Peña, M.A.

Undergraduate Mentorship

Over the course of my graduate training, I have had the privilege of mentoring a number of talented undergraduate Research Assistants. Since my first year, I have supervised the day-to-day research activities for the Research Assistants noted below, each of whom typically committed/commits to between 6 and 9-hours of work per week during the semester. As a graduate mentor and supervisor, I hold regular one-on-one meetings, group meetings, article discussions, organize and coordinate data processing, and provide resources on professional development.

Undergraduate Research Assistants:

- Jasmine Mui (2020-2021); Vanessa Chan (2020-2022); Matthew Miller (2021-2022); Rachel Truskinovksy (2021-2024); Kaylee DellaPorta (2023-2024); Sarah Zak (2023-2024)

Co-Mentoriship of Undergradute Honors Thesis:

- Vanessa Chan (2021-2022; resulted in publication)

Technical Skills

Programming Languages & Platforms

Proficient:

- R and many R packages (data-processing workflows, analysis and modeling, data visualization, data scraping, simulation, report generation, RMarkdown/Quarto, Shiny, some package development)
- jsPsych JavaScript framework (experiment development with JavaScript, HTML, and CSS)
- Git/GitHub (version control, collaboration)

Working Knowledge:

- Python and common libraries (data processing and visualization)
- SAS (analysis)
- Comprehensive Meta-Analysis (analysis)
- LaTeX (document typesetting, namely in Overleaf)

Affiliations & Memberships

Member - Psychonomic Society

Student Member - American Psychological Association (APA)

Professional & Community Service

Website Development: Culture & Cognition Pre-Conference   2023-24
Supporting Development of a New Culture & Cognition Pre-Conference Website (paid service)

Graduate Student Co-Organizer: Culture & Cognition Pre-Conference   2023
Graduate Student Co-Organizer of a Pre-Conference at the Psychonomic Society's Annual Meeting

Faculty Meeting Graduate Representative   2022-23
Department Representative for Graduate Students at Faculty Meetings

Graduate Student Representative   2020-22
Department Representative for Cognitive Science Area Students

Western Fraternal Life "Youth Engaged Lodge Leaders" 2014-24
Lodge President, 2014 | Member since 2015

"Glasgow-Go-Getters" 4-H Club 2014-24
Alumni Consultant & Volunteer

Peer Review Service

Served as a *peer reviewer* for the following journals:

- Memory

Honors & Awards

Psychonomic Society Graduate Conference Award ($750) **2023**

Graduate Student Professional Development - Travel Funding ($355) **2023**

Stony Brook Psychology Endowed Award Fund for Cognitive Science ($1,080) **2021**

Winona State University Psychology Department Outstanding Graduate **2018**

Winona State University Undergraduate Research Grant ($500) **2018**

Winona State University Dean's List **2017-18**

Western Fraternal State Scholarship ($600) **2017-18**

Western Fraternal Local Scholarship ($200) **2014-18**

Gustavus Adolphus College Dean's Scholarship ($16,000/year) **2014-16**