

COURTNEY R. GRAY

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EDUCATION

- Ph.D., Cognitive Psychology (expected 2022)**
M.S., Cognitive Psychology (expected 2019) 2017-
 The Pennsylvania State University, University Park, PA
 Master's Thesis: Effect of Congruency Between Encoding and Retrieval on Associative Retrieval
 Advisor: Nancy A. Dennis, Ph.D.
- B.S., Psychology, Criminal Justice Minor** 2017
 St. Thomas Aquinas College, Sparkill, New York
 Summa Cum Laude, Honors Program distinction
 Honors Theses:
 1. My News is Important to Share: Connections Between Trait Narcissism and Social Media Use
 Advisor: Benjamin C. Wagner, Ph.D.
 2. Conscientiousness as a Mediating Variable of Happiness and Procrastination
 Advisor: Susan K. Marell, Ph.D.
- Visiting Student, Oxford Berkeley Program** 2016
 University of Oxford, Oxford, England

RESEARCH EXPERIENCE

- Graduate Student** 2017-
 CAN Lab, The Pennsylvania State University, University Park, PA
 Project: Effects of cognitive aging on associative memory using fMRI.
 Advisor: Nancy A. Dennis, Ph.D.
 - Trying to mitigate associative memory through context manipulation.
- Graduate Research Assistant** 2018-
 Hakun Lab, The Pennsylvania State University, University Park, PA
 Project: ambulatory assessment of working memory capacity.
 Mentor: Jonathan G. Hakun, Ph.D.
 - Validate ambulatory assessments of thoughts and cognitive abilities.
- Research Assistant** 2015-2017
 Nathan S. Kline Institute for Psychiatric Research, Orangeburg, NY
 Project: Longitudinal effects of exercise on cognition and aging using fMRI.
 Mentor: Anna MacKay-Brandt, Ph.D.
 - Investigating the relationship between physical fitness and brain health
- Research Assistant** 2016-2017
 St. Thomas Aquinas College, Sparkill, NY
 Project: Conscientiousness as a mediating variable of procrastination and happiness.
 Advisor: Susan K. Marell, Ph.D.
 -Examine the relationship between conscientiousness, happiness, and procrastination.
- Research Assistant** 2015-2016
 St. Thomas Aquinas College, Sparkill, NY
 Project: Correlations between trait narcissism and social media usage.
 Mentor: Benjamin C. Wagner, Ph.D.

- Examine the relationship between trait narcissism and cross-platform social media use

NSF REU Summer Research Assistant

2015

Cognition & Learning Lab, Temple University, Philadelphia, PA

Developmental trajectory of spatial and mathematical abilities

Mentor: Elizabeth A. Gunderson, Ph.D.

- Investigate spatial development

MANUSCRIPTS IN PREPARATION

Gray, C. R., Neeley, K. A., Kurkela, K. A., Diaz, M. T., & Dennis, N. A. (In prep). Age modulates task difficulty-related frontal recruitment in older adults.

Gray, C. R., McGraw, K., Rowley, M.A., Salerno, J.M., Giglio, A.P., Overman, A.A., & Dennis, N. A. (In prep). The effect of context manipulation on associative retrieval.

Dennis, N. A , **Gray, C. R.**, McGraw, K., Rowley, M.A., Salerno, J.M., Giglio, A.P., & Overman, A.A., (In prep). Neural encoding differences in older adults' associative memory.

Hakun, J. G. & **Gray, C. R.** (In prep). Ultra-brief ambulatory assessment of working memory capacity.

POSTER PRESENTATIONS

Gray, C. R., Overman, A. A., McGraw, K. E., Rowley, M. A., Salerno, J. M., Hultman, C. E., & Dennis, N. A. (2019). Neural Encoding Differences Between Younger and Older Adults in Associative Memory. Poster to be presented at: Dallas Aging and Cognition Conference, Dallas, TX.

Gray, C. R., Chamberlain, J. D., McGraw, K. E., Babu, H., Overman, A. A., & Dennis, N. A. (submitted). The Influence of Memory Performance on Neural Representations Supporting Associative Retrieval. Poster to be presented at: Cognitive Neuroscience Society, San Francisco, CA.

McCormick-Huhn, J. M., **Gray, C. R.**, Iriondo, H., Babu, H. J., Richardson, H., & Dennis, N. A. (2018). Using perceptual manipulations as a new approach for promoting unitization in older adults. Poster presented at: Cognitive Aging Conference, Atlanta, GA.

McGraw, K. E., Rowley, M. A., Salerno, J. M., Giglio, A. P., **Gray, C. R.**, Overman, A. A., & Dennis, N. A. (2018). Neural Encoding Differences in Older Adults' Associative Memory. Poster to be presented at: Cognitive Aging Conference, Atlanta, GA.

Gray, C. R., Rowley, M. A., McGraw, K. E., Salerno, J. M., Giglio, A. P., Overman, A. A., & Dennis, N. A. (2018). Effect of Congruency Between Encoding and Retrieval on Associative Retrieval. Poster presented at: Cognitive Neuroscience Society, Boston, MA.

Gray, C. R., & Marell, S. K. (2017). Conscientiousness as a mediating variable of happiness and procrastination. Poster presented at: Ignite: Second Annual St. Thomas Aquinas College Art, Design, & Scholarship Exhibition, Sparkill, NY.

Gray, C. R., & Wagner, B. (2017). My news is important to share: Connections between narcissism and social media usage. Poster presented at: Society for Personality and Social Psychology Annual Convention, San Antonio, TX.

Gray, C. R., Femovich, M. R., Hamdan, N., D'Esterre, A., & Gunderson, E. A. (2015). Developmental trajectory of fraction area model strategy use in second and third graders. Poster presented at: Ninth Biennial Meeting of the Cognitive Development Society, Columbus, OH.

Femovich, M. R., **Gray, C. R.**, Hamdan, N., D'Esterre, A., & Gunderson, E. A. (2015). The role of gender in verbal versus spatial mental rotation strategies. Poster presented at: Ninth Biennial Meeting of the Cognitive Development Society, Columbus, OH.

Hamdan, N., D'Esterre, A., Femovich, M. R., **Gray, C. R.**, Hildebrand, L., Black, C., & Gunderson, E. A. (2015). Fraction number line training leads to learning and transfer in early elementary students' fraction magnitude concepts. Poster presented at: Ninth Biennial Meeting of the Cognitive Development Society, Columbus, OH.

HONORS & AWARDS

Gold Key Service Award	2017
St. Thomas Aquinas College Travel Award (\$1,000)	2017
Dean's List Recipient (all semesters)	2013-2017
LEAD Level 2 STAC Student Leadership Series: Silver	2016
St. Thomas Aquinas College Student Leadership Award Honorable Mention	2016
NSF Research Experience for Undergraduates Scholar	2015
Phoenix Award	2014
Harry Golde and Terry McCoy Scholarship Award (\$150)	2013

PROFESSIONAL LEADERSHIP & INVOLVEMENT

Participants Across the Lifespan (PALs) Graduate Coordinator , PSU, PA	2017-
Academic & eXperimental Organization for Neuroscience Students , PSU, PA	2017-
Researching Research Chair , Rockland County, NY	2016-
Chegg Tutor , Online Psychology Tutor	2016-2017
Researching Research , Educational Outreach Program, NY	2016-2017
Psychology Tutor , Center for Academic Excellence, STAC, Sparkill, NY	2015-2017
Psychology & Neuroscience Team Advisor , Harvard Medical School, Boston, MA	2016
Psychology Club Vice President , STAC, Sparkill, NY	2014-2017
Thomist Editor-in-Chief & Club President , STAC, Sparkill, NY	2014-2017
Random Acts of Kindness Vice President , STAC, Sparkill, NY	2014-2017
St. Thomas Aquinas College Ambassador , STAC, Sparkill, NY	2014-2017
History Club Treasurer , STAC, Sparkill, NY	2014-2016
Psychology Club President , STAC, Sparkill, NY	2013-2014

TEACHING EXPERIENCE, GUEST LECTURES, & CERTIFICATION

Teaching Assistant

The Pennsylvania State University, University Park, PA

Introduction to Psychology (PSYCH101)	Fall 2018
Cognitive Development (PSYCH471)	Spring 2018
Psychology of Adjustments and Social Relationships (PSYCH413)	Spring 2018
Senior Psych. Seminar: False Memory & Eyewitness Testimony (PSYCH490)	Fall 2017
Cognitive Development (PSYCH413)Fall	2017

Guest Lecturer

The Pennsylvania State University, University Park, PA

Senior Psychology Seminar: False Memory & Eyewitness Testimony (PSYCH490)	Fall 2017
- Topics: Weapon Focus Effect, False Memories: Application to Eyewitness Testimony	
Cognitive Development (PSYCH413)	Fall 2017
- Topic: Environmental Influences on Cognitive Development	

St. Thomas Aquinas College, Sparkill, NY

Introduction to Psychology (PSY101)	Spring 2017
- Topic: Research Foundations	

International Tutor Training Program Certification 2017
College Reading & Learning Association

PROFESSIONAL MEMBERSHIPS

Cognitive Neuroscience Society 2017-
Alpha Phi Sigma National Honor Society 2017-
Psi Chi International Honor Society 2016-
Pi Gamma Mu International Honor Society 2016-
Alpha Chi National College Honor Society 2015-
Cognitive Development Society 2015