

# Kelly Cotton

PhD Candidate, Cognitive Psychology

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## Education

PhD, Psychology <i>The Graduate Center, City University of New York</i>	Present
MPhil, Psychology <i>The Graduate Center, City University of New York</i>	2021
MA, Psychology <i>The Graduate Center, City University of New York</i>	2020
BS, Brain and Cognitive Sciences BA, Linguistics <i>University of Rochester</i>	2015 2015

## Publications

**Cotton, K.** & Ricker, T.J. (In progress). Examining the relationship between working memory consolidation and long-term consolidation.

**Cotton, K.** & Ricker, T.J. (2020). Working memory consolidation improves long-term memory recognition. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 47(2), 208–219. [doi:10.1037/xlm0000954](https://doi.org/10.1037/xlm0000954)

**Cotton, K.**, Verghese, J., & Blumen, H. M. (2020). Gray Matter Volume Covariance Networks, Social Support, and Cognition in Older Adults. *The Journals of Gerontology: Series B*, 75(6), 1219–1229. [doi:10.1093/geronb/gbz023](https://doi.org/10.1093/geronb/gbz023)

Mahoney, J. R., **Cotton, K.**, & Verghese, J. (2019). Multisensory integration predicts balance and falls in older adults. *The Journals of Gerontology: Series A*, 74(9), 1429–1435. [doi:10.1093/gerona/gly245](https://doi.org/10.1093/gerona/gly245)

Lin, F., Ren, P., **Cotton, K.**, Porsteinsson, A., Mapstone, M., & Heffner, K. L. (2016). Mental Fatigability and Heart Rate Variability in Mild Cognitive Impairment. *The American Journal of Geriatric Psychiatry*, 24(5), 374–378. [doi:10.1016/j.jagp.2015.12.012](https://doi.org/10.1016/j.jagp.2015.12.012)

## Presentations

### INTERNATIONAL CONFERENCE PRESENTATIONS

**Cotton, K.** & Ricker, T. J. (2021, November). The effect of mind-wandering and cognitive load on working memory performance in online and in-person experiments. Poster presented at the 62nd Annual Meeting of the Psychonomic Society, Virtual.

McCray, M., **Cotton, K.** & Ricker, T. J. (2021, November). Working Memory Performance: Is Subjective Measurement a Better Predictor than Cognitive Load? Poster presented at the 62nd Annual Meeting of the Psychonomic Society, Virtual.

Koorathota, S., Adelman, P., **Cotton, K.**, & Sajda, P. (2021, October). Editing Like Humans: A Contextual, Multimodal Framework for Automated Video Editing. *AI for Creative Video Editing and Understanding*, Virtual.

Koorathota, S., Adelman, P., **Cotton, K.**, & Sajda, P. (2021, June). Editing Like Humans: A Contextual, Multimodal Framework for Automated Video Editing. *IEEE/CVF Conference on Computer Vision and Pattern Recognition*, Virtual.

**Cotton, K.** & Ricker, T. J. (2021, June). Consolidating a lasting memory: The role of creativity in the relationship between working memory and long-term memory. *2nd Annual Virtual Working Memory Symposium*, Virtual.

**Cotton, K.** & Ricker, T. J. (2020, November). The Role of Creativity in the Relationship between Working Memory Consolidation and Long-Term Memory. Poster presented at the *61st Annual Meeting of the Psychonomic Society*, Virtual.

**Cotton, K.** & Ricker, T. J. (2019, November). Working Memory Consolidation Improves Long-Term Memory Recognition in Words and Non-words. Poster presented at the *60th Annual Meeting of the Psychonomic Society*, Montreal, Quebec, Canada.

**Cotton, K.**, Jacobs, A., Ren, P., & Lin, F. (2015, November). Mechanisms Linking Depression and Cognitive Impairment: A Systematic Review of Neuroimaging Studies. Poster presented at the *Annual Meeting of The Gerontological Society of America*, Orlando, Florida.

#### REGIONAL CONFERENCE & COLLOQUIA PRESENTATIONS

**Cotton, K.** & Ricker, T. J. (2021, November). How do mind-wandering, cognitive load, and environment affect working memory? Poster presented at the *Annual Harvard Women in Psychology Trends in Psychology Summit*, Virtual.

McCray, M., **Cotton, K.** & Ricker, T. J. (2021, November). Predicting Working Memory Performance: Is Perceived Workload a Better Predictor Than Cognitive Load? Poster presented at the *Annual Harvard Women in Psychology Trends in Psychology Summit*, Virtual.

**Cotton, K.** & Ricker, T. J. (2021, May). Does creativity influence working memory effects on long-term memory?. *12th Annual Psychology Research Day*, Virtual.

**Cotton, K.** & Ricker, T. J. (2019, October). Working Memory Consolidation Improves Long-Term Memory Recognition. *Cognitive and Comparative Psychology Colloquium*, Graduate Center of the City University of New York, Manhattan, New York.

Koorathota, M., Adelman, P., & **Cotton, K.** (2019, September). Project Fovea: Attention-Guided Video Production. Poster presented at the *NYC Media Lab Demo Expo*, Brooklyn, New York.

#### INVITED TALKS

**Cotton, K.** (2021, May). Consolidating a lasting memory. University of Geneva, Geneva, Switzerland.

#### Grants

Doctoral Student Research Grant, The Graduate Center, CUNY (\$1350)

2020

Role: Principal Investigator

Project Title: "The role of creativity in the relationship between short-term consolidation and long-term memory"

## Fellowships, Honors, and Awards

Psychology Fellowship, The Graduate Center, CUNY	2020
Data for Public Good Fellowship, The Graduate Center, CUNY	2020
Second Place Overall for "Project Fovea", NYC Media Lab '19	2019
Graduate Center Fellowship, The Graduate Center, CUNY	2018 - 2023
National Merit Scholar Fellowship, University of Rochester	2011 - 2015

## Research Experience

Graduate Research Assistant, <i>Memory and Attention Lab</i> Dept. of Psychology, College of Staten Island	2018 - Present
Research Assistant, <i>CREM Study</i> Dept. of Neurology, Albert Einstein College of Medicine	2015 - 2019

## Teaching Experience

<i>Lehman College, City University of New York</i> Cognitive Psychology (Adjunct Instructor)	Spring, Fall 2021
<i>City College, City University of New York</i> Thinking, Knowing, Remembering (Teaching Assistant)	Fall 2019 - Fall 2021

## Non-Academic Publications

- [Some people just don't age, at least not like most](#) Massive Science (October 2021)
- [A sweeping study shows that "brain training" games are not effective.](#) Massive Science (July 2021).
- [Can we talk to people while they are dreaming? And can they talk back?](#) CogBites (July 2021)
- [Our memories of shared experiences have unique neural signatures.](#) Massive Science (January 2021)
- [Plants can grow quickly or accurately, but not both.](#) Massive Science (November 2020)

## Science Outreach

<i>BioBus</i>	2019 - Present
Mentored and supervised high school interns on semester-long experimental and science communication projects; led activities for "Saturday Science" neuroscience outreach program for families and community members	
<i>"Function" Youtube Series</i>	2017 - Present
Served as scientific consultant and data analyst for series of videos on innovative applications of eye-tracking technology and other scientific topics	

## Professional Memberships

Psychonomic Society (2019 - Present)

## Skills

Programming: R, MATLAB/Octave, Python, PsychoPy  
Statistical Analysis: Hierarchical Linear Modeling, Structural Equation Modeling  
Other: TobiiPro