

# MAX KRAMER



(773) 318 5225



mkramerpsych.com



mkramer@mkramerpsych.com



/in/max-kramer-8a953b158



MKramerPsych

## Education

### Ph.D., Cognitive Neuroscience

Carnegie Mellon University  
2022 - 2027 [expected] | Pittsburgh, PA

### MA., Computational Social Science

Specialization: Cognitive Neuroscience  
Cumulative GPA: 3.94  
University of Chicago  
2020 - 2022 | Chicago, IL

### BA., Psychology

High Honors in Psychology  
Minor: Computer Science  
Concentration: Cognitive Science  
Concentration: Statistical Modeling  
Cumulative GPA: 3.83  
Oberlin College  
2016 - 2020 | Oberlin, OH

## Skills

### Programming Languages

MATLAB  
R  
Python  
Bash  
AFNI  
SPSS

### Frameworks

HPC: SLURM, MOAB  
AWS: S3, EMR, EC2, SNS, Kinesis  
GitHub  
PsychoPy  
PyTorch

### Research Skills

fMRI Analysis  
Deep Learning  
Bayesian Statistics  
Dynamic Systems Modelling

### Teaching & Mentoring

@ University of Chicago  
- CompSci for Social Scientists [TA]

@ Oberlin College

- Winter Term in R Programming [TA]  
- Research Methods I & II [Tutor]

## Research Experience

- Jun 2022 - Present **Graduate Research Assistant** Behrmann Lab
- PI: Marlene Behrmann
  - Research in visual cognitive neuroscience
  - Methods: iEEG, Computational
- Aug 2020 - June 2022 **Graduate Research Assistant** BrainBridge Lab
- PI: Wilma A. Bainbridge
  - Research in object representations in memory
  - Research Question: "What makes a stimulus memorable?"
  - Methods: Behavioral, Computational, fMRI, Deep Learning
- Jun 2019 - Aug 2019 **Summer Research Fellow** TarrLab
- PI: Michael J. Tarr
  - Research on the role of color in CNN face classifiers
  - Research Question: "What role does color play in face perception?"
  - Methods: Convolutional Neural Networks
- Sep 2018 - May 2020 **Undergraduate Research Assistant** CASH Lab
- PI: Kenneth J. D. Allen
  - Research in Nonsuicidal Self Injury (NSSI)
  - Research Question: "How does emotional response inhibition relate to emotion regulation?"
  - Methods: Psychophysics, Behavioral, Computational
- Sep 2016 - May 2020 **Undergraduate Research Assistant** Darling Lab
- PI: Nancy E. Darling
  - Research in Chronic Pain & Adolescent Development
  - Research Question: "How do you get teens in pain to take back their lives?"
  - Methods: Behavioral, Computational

## Journal Publications

**Kramer, M. A.**, Hebart, M. N., Baker, C. I., & Bainbridge, W. A. (2021). The Features that Drive the Memorability of Objects [Manuscript Submitted for Publication]. Dept. of Psychology, University of Chicago. <https://osf.io/5a7z6>

Allen, K. J. D., Johnson, S. L., Sammon, M. M., Wu, C., **Kramer, M.A.**, Wu, J., Liu, R. T., Burke, T. A., Schatten, H. T., Arme, M. F. & Hooley, J. M. (2021). Validation of an Emotional Stop-Signal Task to Probe Individual Differences in Emotional Response Inhibition: Relationships with Positive and Negative Urgency. *Brain and Neuroscience Advances*, 5. <https://doi.org/10.1177/23982128211058269>

## Poster Presentations & Talks

**Kramer, M. A.**, Hebart, M. N., Baker, C. I., Bainbridge, W. A. (2022). Semantics, not Atypicality Reflect Memorability Across Object Concepts. Vision Sciences Society, St. Pete Beach, FL. Talk in the session on "Visual Memory: Capacity, encoding"

**Kramer, M. A.** (2021). What Makes Something Memorable? Analyzing the Memorability of Objects. Proceedings of the University of Chicago Cognition Workshop. Chicago, IL.

**Kramer, M. A.**, Hebart, M. N., Baker, C. I., & Bainbridge, W. A. (2021). Memorability is more than typicality or atypicality: evidence from brain, behavior, and computational modeling. Proceedings of the Society for Neuroscience. Chicago, IL.

**Kramer, M. A.**, Hebart, M. N., Baker, C. I., & Bainbridge, W. A. (2021). Characterizing Memorability in Representational Space: Analyzing Relative Contributions of Perceptual and Conceptual Information [Poster presentation]. Proceedings of the Virtual Vision Sciences Society 2021.

## Honors and Awards

- Maroon Scholars - [2/3 Tuition Scholarship]
- Stetson-Heiser Memorial Prize - [\$250]
- R.H. Stetson Award for Empirical Research - [\$500]
- Jerome Davis Research Grant - [\$500]
- LaunchU Startup Incubator - 1step2life Team [\$20,000]

## Society Memberships

- Phi Beta Kappa - Zeta Chapter of Ohio [Inducted May 2020]
- Sigma Xi - Oberlin College Chapter [Inducted May 2020]