EUAN PRENTIS

Ph.D Researcher in Computational Cognitive Neuroscience
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Location: Chicago, IL

EDUCATION

Ph.D, Experimental Psychology   2021 -
University of Chicago
Advisor: Dr. Akram Bakkour

B.A., Experimental Psychology with honors (cum laude)   2015 - 2019
New York University
Thesis Advisor: Dr. Catherine Hartley

EMPLOYMENT

Research Specialist, Thompson-Schill Lab, University of Pennsylvania   Jul 2019 -
Principal Investigator: **Dr. Sharon Thompson-Schill**

PUBLICATIONS

Prentis, E. & Bakkour, A. (2025). Overcoming distortion in multidimensional predictive representation. *eLife*, 14:RP108664

Nussenbaum, K., **Prentis, E.**, & Hartley, C. A. (2020). Memory's reflection of learned information value increases across development. *Journal of Experimental Psychology: General*, 149(10), 1919.

PRESENTATIONS

TALKS

Prentis, E. & Bakkour, A. (2024, October). Segmenting experience into generalizable predictive representations. Talk presented at the Society for Neuroscience's Annual Meeting.

Prentis, E. & Bakkour, A. (2024, March). Segmenting experience into generalizable predictive knowledge. Talk presented at the University of Chicago's Cognition Workshop.

Prentis, E. & Bakkour, A. (2022, October). Segmenting experience into generalizable predictive knowledge. Talk presented at the Midway Meeting of the Memory Minds.

POSTERS

Prentis, E. & Bakkour, A. (2025, August). A semantic bias for accurate predictive learning in multidimensional environments. Poster presented at the 8th Annual Conference on Cognitive Computational Neuroscience.

Prentis, E. & Bakkour, A. (2023, October). Segmenting Experience into Generalizable Predictive Knowledge. Poster presented at the 20th Meeting of the Society for Neuroeconomics.

Prentis, E. & Bakkour, A. (2022, June). Feature-based learning increases the generalizability of state predictions. Poster presented at the 5th Multidisciplinary Conference on Reinforcement Learning and Decision Making (RLDM).

Prentis, E. & Thompson-Schill, S. L. (2021, July). Effects of memory organization on credit assignment in human reinforcement learning. Poster presented at the 43nd Annual Meeting of the Cognitive Science Society.

Prentis, E., Tardiff, N., & Thompson-Schill, S. L. (2020, July). Characterizing the mechanisms of instructed reinforcement learning with fMRI pattern-similarity analysis. Poster presented at the 42nd Annual Meeting of the Cognitive Science Society.

Prentis, E., Nussenbaum, K., & Hartley, C.A. (2019, May). Episodic memory's role in decision making across development. Talk presented at New York University's Undergraduate Research Conference, New York, NY.

Nussenbaum, K., **Prentis, E.**, & Hartley, C.A. (2018, October). Strategic encoding of useful information across development. Poster presented at the Society for Neuroeconomics, Philadelphia, PA.

Nussenbaum, K., **Prentis, E.**, Ocampo, J.D., & Hartley, C.A. (2018, August). Developmental changes in the use of environmental statistics to strategically modulate memory. Poster presented at the Flux Congress, Berlin, Germany.

GRANTS & HONORS

PGSO Travel Award, *University of Chicago*	2023
Student Travel Fellowship, *RLDM 2022*	2022
Norman H. Anderson Grant, *University of Chicago*	2022
Doris Aaronson Award for Outstanding Departmental Research, *New York University*	2019
Founders' Day Award (University Honors Scholar), *New York University*	2019
Department of Psychology Honors Program, *New York University*	2018 - 2019
CAS Dean's Undergraduate Research Fund, *New York University*	Fall 2018
CAS Dean's Undergraduate Research Fund, *New York University*	Spring 2018
Psi Chi scholar	2018 -
Dean's List, *New York University*	2015 - 2019

MENTORING

GRADUATE
Sam Cong	2023 - 2024

UNDERGRADUATE
Jazmin Velenczei	2025 -
Mikul Wyer	2025 -
Risa Bernier	2025 -

Rain Liu	2022 - 2025
Naryna Azizpour	2022 - 2023
Lucas Mantovani	2022 - 2023
Omar Fernandez	2022

SKILLS

Programming	Python, R, MATLAB, JavaScript, HTML/CSS
Python Libraries	PyMC, Bambi, sklearn, TensorFlow
Experiment Design	PsychoPy, Psychtoolbox, jsPsych, REDCap, Qualtrics
Behavioural Data Collection	EyeLink, Amazon Mechanical Turk, psiTurk, CloudResearch
Stimulus Design	Adobe Illustrator, Adobe Photoshop, Adobe Lightroom, Blender
MRI	FSL, PyMVPA, Flywheel, freesurfer, fmriprep