

Weijia Cao

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🌐 <https://weijiacao.github.io/>

EDUCATION	New York University , New York, NY 2021 – 2023 M.A. in Experimental Psychology Emphasis on Cognitive Neuroscience Advisor: David Poeppel, Ph.D. Thesis: <i>Memory for taxonomic and thematic conceptual relations</i>
	University of Wisconsin-Madison , Madison, WI 2017 – 2021 B.A. in Psychology & B.A. in Statistics (double-major) Minor in French
	University of California, Los Angeles , Los Angeles, CA 2016 Summer Sessions Enrolled coursework: Introduction to Philosophy of Mind, Introductory Psychology
RESEARCH POSITIONS	Poeppel Lab, New York University , New York, NY 2021 – 2023 Research Assistant, <i>Advisor: David Poeppel</i> <ul style="list-style-type: none">• Led and conducted studies focused on understanding memory for linguistic information• Collaborated on behavioral and human electrophysiological (MEG) experiments to study music perception and cognition• Collaborated on behavioral and human electrophysiological experiments to study real-time somatosensory feedback in speech production using auditory feedback perturbation
	Cognitive Development & Media Lab, University of Wisconsin-Madison , Madison, WI 2020 – 2021 Research Assistant, <i>Advisor: Heather Kirkorian</i> <ul style="list-style-type: none">• Calibrated and analyzed eye gaze and visual fixation data• Collaborated on behavioral experiments to study the relationship between children's cognitive development and media interactivity
AWARDS & HONORS	Master's Research Conference Second Place Finish, New York University 2022
	Germaine Mercier Scholarship, University of Wisconsin-Madison 2021
	Larkin Burl Price Memorial Scholarship, University of Wisconsin-Madison 2020
	Undergraduate Scholarship for Summer Study, University of Wisconsin-Madison 2019
	Fall 2018 Dean's List, University of Wisconsin-Madison 2019
SELECTED CONFERENCE ABSTRACTS	The mnemonic basis of taxonomic and thematic conceptual relations (accepted) 2023 <i>International Conference on Learning and Memory</i> , Huntington Beach, CA.
	The mnemonic basis of taxonomic and thematic conceptual relations 2022 <i>Master's Research Conference</i> , New York, NY.
	The effect of interactivity on toddler's object retrieval: Comparing the live and video situations 2021 <i>Undergraduate Symposium</i> , Madison, WI.
MANUSCRIPTS	Cao, W. , Raccach, O., Chen, P., & Poeppel, D. (In prep). The mnemonic basis of taxonomic and thematic conceptual relations. Raccach, O.*, Seltenreich, M.*, Cao, W. , & Poeppel, D. (In prep). Scale-driven perceptual abilities determine scale selection cross-culturally.
SKILLS & OTHER	Programming: Python, PsychoPy, PsychoJS, PyTorch, MATLAB, NumPy, scikit-learn, GitHub Data Analysis: R, SPSS, MS Excel, Regression Analysis Neuroimaging: MEG Visual Fixation Coding: Datavyu, GazeTag Language: English, Chinese, French (proficient)

Technical coursework: Mathematical Tools for Neural and Cognitive Science, Probability, Applied Regression Analysis, Nonparametric Statistics, Machine Learning and Statistical Pattern Classification, Deep Learning and Generative Models

Technical course projects: Deep-Learning Based Speech Emotion Recognition (CNN, RNN, Transformer Neural Networks), Machine-Learning Based Authorship Identification in Web Fictions (kNN, C4.5 Decision Tree, Random Forests, Multinomial Naive Bayes, Bagging)

Other: Musical instruments (gu zheng, recorder), video editing (Adobe Premiere), audio editing (Audacity, Adobe Audition)

**OUTREACH &
SERVICE**

Teaching Assistant, *Advanced Psychological Statistics* (position offered)
New York University, New York, NY

2023

Chair of Event Planning Department, *Yuan-Shan Study Society*
University of Wisconsin-Madison, Madison, WI

2019 – 2021

Student Member and Volunteer Language Tutor, *Chinese Language and Culture Club*
University of Wisconsin-Madison, Madison, WI

2017 – 2018