

# Weijia Cao

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🌐 <https://weijiacao.github.io/>

EDUCATION	<b>New York University</b> , New York, NY M.A. in Experimental Psychology Emphasis on Cognitive Neuroscience Advisor: David Poeppel, Ph.D. Thesis: <i>Memory for taxonomic and thematic conceptual relations</i>	2021 – 2023
	<b>University of Wisconsin-Madison</b> , Madison, WI B.A. in Psychology & B.A. in Statistics (double-major) Minor in French	2017 – 2021
RESEARCH POSITIONS	<b>Poeppel Lab, New York University</b> , New York, NY Research Assistant, <i>Advisor: David Poeppel</i> <ul style="list-style-type: none"><li>Led and conducted studies focused on understanding memory for linguistic information</li><li>Collaborated on behavioral and human electrophysiology (MEG) experiments to study music perception and cognition</li></ul>	2021 – 2023
	<b>Cognitive Development &amp; Media Lab, University of Wisconsin-Madison</b> , Madison, WI Research Assistant, <i>Advisor: Heather Kirkorian</i> <ul style="list-style-type: none"><li>Calibrated and analyzed eye gaze and visual fixation data</li><li>Collaborated on behavioral experiments to study the relationship between children's cognitive development and media interactivity</li></ul>	2020 – 2021
AWARDS & HONORS	Master's Research Conference Second Place Finish, New York University	2021
	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	2018
SELECTED CONFERENCE ABSTRACTS	The mnemonic basis of taxonomic and thematic conceptual relations (submitted) <i>International Conference on Learning and Memory</i> , Huntington Beach, CA.	2023
	The mnemonic basis of taxonomic and thematic conceptual relations <i>Master's Research Conference</i> , New York, NY.	2022
	The effect of interactivity on toddler's object retrieval: Comparing the live and video situations <i>Undergraduate Symposium</i> , Madison, WI.	2021
SKILLS & OTHER	<b>Programming:</b> Python, PsychoPy, PsychoJS, PyTorch, MATLAB, NumPy, scikit-learn, GitHub <b>Data Analysis:</b> R, SPSS, MS Excel, Regression Analysis <b>Neuroimaging:</b> MEG <b>Visual Fixation Coding:</b> Datavyu, GazeTag <b>Language:</b> English, Chinese, French (proficient) <b>Technical coursework:</b> Mathematical Tools for Neural and Cognitive Science, Probability, Applied Regression Analysis, Nonparametric Statistics, Machine Learning and Statistical Pattern Classification, Deep Learning and Generative Models <b>Technical course projects:</b> 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) <b>Other:</b> Musical instruments (gu zheng, recorder), video editing (Adobe Premiere), audio editing (Audacity, Adobe Audition)	
OUTREACH & SERVICE	Chair of Event Planning Department, <i>Yuan-Shan Study Society</i> University of Wisconsin-Madison, Madison, WI	2019 – 2021
	Student Member and Volunteer Language Tutor, <i>Chinese Language and Culture Club</i> University of Wisconsin-Madison, Madison, WI	2017 – 2018