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: *Memory for taxonomic and thematic conceptual relations*

University of Wisconsin-Madison, Madison, WI **2017 – 2021**
B.A. in Psychology & B.A. in Statistics (double-major)
Minor in French

RESEARCH POSITIONS

Poeppel Lab, New York University, New York, NY **2021 – 2023**
Research Assistant, *Advisor: David Poeppel*

- Led and conducted studies focused on understanding memory for linguistic information
- Collaborated on behavioral and human electrophysiology (MEG) experiments to study music perception and cognition

Cognitive Development & Media Lab, University of Wisconsin-Madison, Madison, WI
Research Assistant, *Advisor: Heather Kirkorian* **2021 – 2023**

- 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 **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)
International Conference on Learning and Memory, Huntington Beach, CA. **2023**

The mnemonic basis of taxonomic and thematic conceptual relations
Master's Research Conference, New York, NY. **2022**

The effect of interactivity on toddler's object retrieval: Comparing the live and video situations
Undergraduate Symposium, Madison, WI **2021**

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

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**