

# KARLEIGH GROVES

+1 (610) 207-7250 | kgroves@nyu.edu, karleighgroves@gmail.com

## EDUCATION

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### University of Chicago, Chicago, Illinois

*Master of Arts, Social Sciences; Concentrations: Psychology, June 2022*

*Graduate Certificate, Gender and Sexuality Studies, June 2022*

Thesis: “Nativity Status and Latinx Mothers: Stress, Resilience, Depression and Motherhood”

Advisor: Dr. Aresha Martinez-Cardoso, Assistant Professor of Public Health Sciences

### Hofstra University, Hempstead, New York

*Bachelor of Arts, Magna Cum Laude, Psychology, Minors in Neuroscience and Classics, May 2021*

Thesis (Departmental Honors): “Cultural Competency of University Resources for Students”

Advisor: Dr. Oskar Pineño, Associate Professor of Psychology

## ADDITIONAL TRAINING

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### New York University, New York, New York

*Graduate Coursework Auditing, Present*

- Doctoral Course, Political Psychology, Fall 2023

### IBM Online Learning Initiative Coursework

*Python Basics for Data Science, 2022*

## RESEARCH EXPERIENCE

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### New York University, New York, New York

*Lab Manager & Junior Research Scientist, Department of Psychology, Music and Audio Research Lab, June 2022 – Present*

- Conducting in-person survey, behavioral, physiological, and neuroimaging data collection using EDA, EKG, EMG, accelerometry, and fMRI; Deploying surveys and behavioral tasks online; Developing accessible surveys for online deployment and in-person experiment paradigms for people who are blind or have low vision.
- Preprocessing and analyzing behavioral and physiological data using Python and R.
- Presenting at conferences; Writing and preparing manuscripts for publication
- Managing administration of lab activities, including purchasing, scheduling, organization of talks by lab members and guest speakers, recruiting participants, and preparing and maintaining IRB protocols.

### University of Chicago, Chicago, Illinois

*Graduate Researcher, Division of the Social Sciences, September 2021 – June 2022*

- Managed independent research project examining effect of nativity status on stress, depression, resilience, and conceptions of motherhood in Latinx women.
- Handled mixed-methods research design and proposal; Performed quantitative and qualitative analysis.

*Graduate Research Assistant, Embodying Race(ism) Lab, August 2021 – June 2022*

- Contributed to quantitative analysis of survey data; Supported data collection and analysis of interview data.
- Drafted an awarded grant to complete project tasks.

### Hofstra University, Hempstead, New York

*Research Assistant, Dr. Jin Y. Shin, February 2020 – August 2021*

- Supported quantitative data analysis; Assisted writing and edited final paper submission.

*Research Assistant, Psychology Department, Graduate Division, September 2019 – January 2020*

- Verified and coded linguistic data to support analysis of linguistic patterns with and between clinical diagnoses.

## PUBLICATIONS

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Groves, K., Farbood, M. M., Ripollés, P.\*, & Zuanazzi, A.\* Through the Lens of Sound: Soundtrack music elicits imagination of movie scenes in the absence of visual information. (In Preparation).

Lee, H., Groves, K., Ripollés, P., & Carrasco, M. Does music training experience modulate audiovisual integration in speech? Evidence from the McGurk effect. *Scientific Reports Collection on Multisensory Integration Collection*. (Under Review).

Rodríguez-Vázquez, R., Carone, B., Groves, K., Namballa, R., Zuanazzi, A., & Ripollés, P. Identification of Basic Emotions Through Language Rhythms. *Neurobiology of Language*. (Under Review).

Palumbo, A., **Groves, K.**, Muñoz Vidal, E. L., Schambra, H., Voelbel, G., Ripollés, P. Enhancing motor performance and affective response during music playing with improvisation and live accompaniment. *Journal of Neuroscience*. (Under Review).

Nguyen Duc, S., Shin, J. Y., **Groves, K.**, Chaiken, M., & Leonard, A. (2021). Predictors of depression and well-being in caregivers of young children with developmental delays in Vietnam. *Global Journal of Medical Research*, 21(3), 33-42.

## **PRESENTATIONS & POSTERS**

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Shah, N., **Groves, K.**, Ferry, D., Ripollés, P.\*, & Zuanazzi, A.\* (August 2023). *Through the Lens of Music: Behavioral and Physiological Correlates of Imagined Movie Scenes* [Poster, NYC Science Research Mentoring Consortium Student Research Symposium, New York, USA].

**Groves, K.**, Ferry, D., Ripollés, P.\*, & Zuanazzi, A.\* (July 2023). *Through the Lens of Music: Imagining Movie Scenes Through Soundtrack Listening* [Poster Presentation, Minds Brains & Machines Conference, New York, USA].

**Groves, K.**, Ripollés, P.\*, & Zuanazzi, A.\* (May 2023). *Through the Lens of Music: Imagining Movie Scenes Through Soundtrack Listening* [Poster Presentation, Curiosity Creativity and Complexity Conference, New York, USA].

## **TEACHING & MENTORSHIP EXPERIENCE**

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### **College & Career Lab, New York University, New York, New York**

#### Class in Conducting Experiments in Psychology, July 2023

- Developed a lecture on conducting experiments in psychology; Instructed a group of 11-12<sup>th</sup> grade students who come from demographic groups historically underrepresented in STEM and guided them through interactive writing and group activities.

### **Center for K12 STEM Education, New York University, New York, New York**

#### Applied Research Innovations in Science and Engineering (ARISE) Lead Mentor, July 2023—August 2023

- Developed schedule with experimental research tasks for 20 hours of work per week for a high school student from an underrepresented demographic group in STEM; Provided support and training to complete research tasks in conducting experiments, analyzing data, and creating a poster for final presentation; Provided career mentorship and advice.

### **Music and Audio Research Lab, New York University, New York, New York**

#### Research Experience for Undergraduates (REU) Summer Internship Mentor, June 2023—July 2023

- Developed an individualized development plan, managed weekly completion of research tasks for an undergraduate student selected as part of a diversity and equity program; Provided support and training in implementation of behavioral and physiological experimental procedures, creation of data visualizations, analysis of data, and preparation of final presentation; Provided career mentorship and advice; Served as the organizer for the summer school, which included 3 REU students in total, scheduling regular meetings, key activities, and guest lectures, including a kick-off and a closing ceremony.

### **Center for Academic Excellence, Hofstra University, Hempstead, New York**

#### Undergraduate Psychology Tutor, March 2020 – May 2021

- Facilitated student learning and understanding of core psychology course topics, primarily in statistics.

### **Office of Admissions and Honors College, Hofstra University, Hempstead, New York**

#### Peer Mentor, August 2021

- Provided course selection advice and logistic information to incoming psychology undergraduate students.

## **VOLUNTEERING & COMMITMENT TO DIVERSITY, EQUITY, & INCLUSION**

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### **Letters to a Pre-Scientist**

#### STEM Professional Pen Pal, September 2023 – June 2023

- Exchanged 4 letters throughout the academic year with a middle school “pre-scientist”, a student from a low-income community with limited access to STEM to demystify STEM careers, broaden students’ awareness of what it means to be a STEM professional, and inspire a future scientist.

### **Central American Refugee Center, Hempstead, New York**

#### English Second Language Tutor, September 2018 – November 2018

- Worked with a group of Central American immigrant women to practice conversational English and develop reading skills in English as they prepared for job interviews, career development opportunities, healthcare appointments for themselves and their children, school appointments for their children, and their citizenship tests.

## **HONORS & AWARDS**

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*Phoenix Research Scholarship* (Half Tuition, Merit-Based Scholarship), University of Chicago, 2021- 2022

*Director's Fund Scholarship* (Merit-Based Scholarship), University of Chicago, 2021- 2022

*Psi Chi, Member* (Psychology Honors Society), Hofstra University, 2021

*Phi Beta Kappa, Member* (Honors Society), Hofstra University, 2021

*Presidential Scholarship* (Half Tuition, Merit-Based Scholarship), Hofstra University, 2018 - 2021

## **SKILLS & INTERESTS**

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- Research Interests: Identity Saliency; Social & Sensory Influences on Identity & Social Behavior; Collective Action; Applications in Social Justice, Reform, Social Service or Mental Health Interventions; Neural Correlates of Identity & Social Behavior
- Skills: Research Design, Qualitative/Quantitative Methods, Data Collection, Analysis
- Technical Proficiencies: R, Python, PsychoPy, Qualtrics, MATLAB