

## Paige Dadika

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### Education

#### Rutgers University | Honors Program

New Brunswick, NJ

*Bachelor of Arts in Cognitive Science*

*Graduation: May 2023*

Minor in Developmental Psychology

GPA: 4.00/4.00

Specialization in Cognitive Neuroscience

Thesis Topic: Development of lateralization in juvenile zebra finches

Mentors: Dr. Mimi L. Phan and Dr. David S. Vicario

#### Key Coursework:

Brain, Mind and Behavior

Advanced Topics Seminar: The Multilingual Mind

Advanced Topics in Cognitive Science: Audition

Statistics for Research

Cognition

Neural Structure of Language

Sensation and Perception

Fieldwork in Child Development

### Awards and Honors

Dean's List – 8 semesters

National Merit Scholar Finalist

Phi Beta Kappa Honor Society

Aresty Fellowship Funding

Matthew Leydt Society

Henry Rutgers Scholar

### Research Experience

#### Lab Manager for Dr. Michelle Hurst, Rutgers University

11/2023- current

Assisted in the establishment of the Quantitative Development Lab in the Rutgers Center for Cognitive Science and Department of Psychology

Lead researcher on multiple projects; support lab research on all projects

Skills developed: website development, human subjects research, jsPsych, Qualtrics, Prolific, IRB, personnel management, R (including RMarkdown), writing and communication (e.g., posters and talks)

#### Vicario Lab, Department of Psychology, Rutgers University

07/2020- 05/2023

Assisted doctoral student in experiments to determine the effect of secondary heterospecific environmental exposure on normative brain lateralization in juvenile and adult zebra finches

Skills developed: Immunohistochemistry, brain slicing using a cryostat and vibratome, building epidural arrays, data analysis, use of OriginPro

#### Undergraduate Research Experience in Neuroscience, University of Georgia

05/2022- 07/2022

Worked under Dr. Assaf Oshri at the University of Georgia's Youth Development Institute as a summer research assistant.

Skills developed: Participant Recruitment, SPSS, ASEBA, RStudio

#### Aresty Summer Science Program, Rutgers University

05/2020- 07/2020

Aided in research on HDAC inhibition in songbirds through song analysis and comparison

Partook in weekly group meetings and attended frequent training sessions

Created and presented a poster at the end-of-program poster session

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Education  
Awards and honors  
Research experience  
Manuscripts  
Presentations  
Professional experience  
Skills

## Manuscripts and Publications

Hurst, M.A., Dadika, P., Oswald, M., & Levine, S. (2024) *Children's interpretation of "before" and "after" for consecutive and non-consecutive numbers and events* [Manuscript in prep].

## Presentations

Dadika, P., Hurst, M.A (2023) *Do people rely on symbolic number strategies in discrete proportional reasoning*. Poster presented at the Mathematical Cognition and Learning Society 2023 Conference

Dadika, P., Goodgame-Huffman, L., Oshri, Assaf. (2022) *Trait Impulsivity and Psychopathology Among Youths: The Moderating Role of Mother-Child Dyadic Parasympathetic Synchrony*. Poster presented at International Society for Developmental Psychobiology 2022 and University of Georgia REU Poster Session

Dadika, P., Cataldo, B.F., Phan, M.L., Vicario, D. (2022) *Ontogeny of Lateralized Responses in the Zebra Finch: Time Course and the Effects of Atypical Acoustic Environments*. Poster presented at the Rutgers Aresty Undergraduate Symposium and 2022 AXON 3.0 Virtual Conference

Dadika, P., Daneshwar, N., Collins, L., Phan, M.L., Vicario, D. (2020) *Epigenetic Modulation of Auditory Memories in Zebra Finches*. Poster presented at the Rutgers ARESTY poster session.

## Professional Experience

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|--|--------------------|
| <b>Sealworks Interactive Studios</b>   | Newtown, PA        |
| Content Evaluator and Design Consultant  | 01/2023- 11/2023   |
| Monitoring site development and approving final designs  |                    |
| <b>Rutgers University Athletics Department</b>   | Piscataway, NJ     |
| Athletic Academic Tutor  | 09/2022- 12/2022   |
| Provide academic support for student athletes  |                    |
| <b>R&amp;D Promotions</b>  | Milltown, NJ       |
| Office Assistant   | 09/2016- 8/2023    |
| Implemented marketing strategies to create new business opportunities  |                    |
| Provided office support in the form of handling finances, communicating with customers, and creating online stores |                    |
| <b>All Star Athletic Center Learning Academy</b>   | East Brunswick, NJ |
| Director of Operations   | 10/2020- 03/2021   |
| Handled day-to-day operations as well as weekly scheduling   |                    |
| Acted as an on-site supervisor for other employees   |                    |

## Skills

Proficiency in Microsoft Word, Excel, and PowerPoint  
R, including tidyverse, RMarkdown, and RStudio  
OriginPro  
PsychoPy  
jsPsych

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