

# ANTHONY REBELLO

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Incoming PhD student at Georgia State University's ADAPT Lab, investigating cognitive flexibility across species and developmental contexts. Currently conducting independent research on prospective and retrospective working memory strategies in rhesus macaques under Dr. Robert Hampton at Emory's National Primate Research Center. Experienced in experimental design, behavioral programming (VB.NET, Python, R), and data analysis, with interests spanning comparative cognition, cross-cultural development, and adaptive problem-solving.

## EDUCATION

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- Ph.D., Cognitive Sciences** Starting Fall 2026  
*Georgia State University, Atlanta, GA*  
Relevant Coursework: To be updated upon enrollment
- B.S., Psychology** Expected May 2026  
*Emory University, Atlanta, GA*  
Relevant Coursework: Research Methods, Cognition, Learning & Memory, Statistics, Computer Science (Java)
- Associate of Arts** Completed May 2024  
*Oxford College of Emory University, Oxford, GA*

## RESEARCH INTERESTS

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Working memory strategy, cognitive flexibility, comparative cognition, cross-species experimental design, prospective and retrospective coding in nonhuman primates, developmental and cross-cultural approaches to flexible thinking

## RESEARCH EXPERIENCE

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- Graduate Researcher** Starting Fall 2026  
*ADAPT Lab, Georgia State University — Advisor: Dr. Sarah Pope-Caldwell*
- Investigate cognitive flexibility across developmental, cultural, and comparative contexts, examining how children and primates adapt problem-solving strategies to changing task demands.
  - Perform multi-site experiments spanning Atlanta and the Republic of the Congo, analyzing behavioral data using R and Python.
- Undergraduate Researcher** May 2024 – Present  
*Laboratory of Comparative Primate Cognition, Emory National Primate Research Center — Advisor: Dr. Robert Hampton*
- Designed and independently programmed experiments in VB.NET (Visual Basic) for rhesus macaques, investigating prospective vs. retrospective working memory strategies using match-to-sample (MTS) and many-to-one (MTO) paradigms.
  - Built comprehensive Python analysis pipelines for training and test data to create graphs and tables.

- Train and test rhesus macaques on touchscreen-based cognitive tasks; manage daily data collection and experimental software troubleshooting.
- Assisted with lab operations including data analysis, protocol development, and weekly lab meetings.

**Research Assistant**

Apr 2023 – May 2024

*Environmental Science Department, Oxford College of Emory University*

- Conducted environmental field research on soil erosion control for the Oxford Organic Farm; collaborated with faculty on measurement methodology.

**PUBLICATIONS & PRESENTATIONS**

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**Rebello, A.,** Cordish, B., Womack, J., & Piramal, N. (2024). An Experiment on Attention: How Break Quality and Length Impact Attentional Restoration. Poster presented at Psychology Department Research Symposium, Emory University, Atlanta, GA. December 2024.

**Rebello, A.,** Henley, T., & Hampton, R. (2026). Working Memory Strategy Use in Rhesus Macaques: Evidence from Match-to-Sample and Many-to-One Paradigms. Poster in preparation for the Georgia Southern Psychological Society Conference.

**TECHNICAL SKILLS**

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**Programming & Analysis:** Python, R, VB.NET, Java, SPSS, Excel (Advanced), JupyterLab, Git

**Research Methods:** Cross-Species Experimental Design, Behavioral Testing, Protocol Development, Statistical Analysis, Data Visualization, Scientific Writing

**Laboratory:** Primate Cognition Testing, Animal Handling, Touchscreen Task Programming, Behavioral Data Collection

**LEADERSHIP & INVOLVEMENT**

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**Upperclassmen Representative, Emory University Running Club**

Aug 2024 – Jan 2026

- Coordinated events and transportation logistics for student races
- Led outreach and planning for weekly training sessions and group events

**Mentor, Psi Chi Mentorship Program**

Aug 2024 – May 2025

*Emory University*

- Selected based on academic achievement and departmental engagement; mentored underclassmen on coursework, research opportunities, and academic planning in weekly sessions.

**Resident Assistant**

May 2023 – May 2024

*Oxford College of Emory University*

- Fostered community among 40+ first- and second-year residents through programming, safety communication, and peer support.

**President, Outdoor Club**

May 2023 – May 2025

*Oxford College of Emory University*

- Managed club finances, elections, and activities; served as liaison between faculty advisor and executive board.