Rachel Reeb, Ph.D.

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Postdoctoral Fellow at the Carnegie Museum of Natural History, specializing in global change biology, with over six years of experience in data analytics, project management, and science communication.

Professional Experience

Aug. 2023- present | **Postdoctoral Fellow** | Carnegie Museum of Natural History | Pittsburgh, PA | 40 hrs./week
- Served as lead program manager for the "Invasive Species Awareness Campaign," as part of a $225,000 grant funded by the R.K. Mellon Foundation.
- Fulfilled data management, statistical analysis, and reporting responsibilities for research projects, resulting in three manuscripts in-review and one manuscript in-prep for publication.
- Developed and led a professional working group series with 45 professional attendees across 20 regional organizations in attendance.
- Collaborated closely with the exhibitions department to develop content for an upcoming science museum exhibit.

Apr. 2023 – Aug. 2023 | **Research Analyst (Remote)** | Yale School of the Environment | New Haven, CT | 40 hrs./week
- Oversaw three NSF-funded research studies throughout the data processing, statistical analysis, visualization, and reporting stages of the data analytic cycle.
- Curated complex research datasets using R and Python software.

Aug. 2018 – Apr. *2023* | **Graduate Student Researcher and NSF Graduate Research Fellow** | University of Pittsburgh | Pittsburgh, PA | 40 hrs./week
- Applied statistical modeling techniques to analyze spatial and temporal trends in complex biological data, which resulted in four peer-reviewed publications.
- Communicated research findings to both technical and non-technical audiences at four national academic conferences and eight invited research seminars. Received a national conference award in 2021 for best graduate student presentation.
- Awarded over $160,000 in fellowship and independent research funding, through three institutions including the National Science Foundation.
- Served as the primary mentor to four undergraduate assistant researchers and facilitated research collaborations between the University of Pittsburgh and Carnegie Museum of Natural History.
- Developed over fifteen science outreach events for Pittsburgh-area museums, including two public research seminars and a youth summer camp workshop.
- Taught R programming fundamentals and statistical analysis techniques to 30 undergraduate students at the University of Pittsburgh, leading to 93% of students achieving a grade of B+ or above and receiving 100% positive student evaluations.

Education

University of Pittsburgh | PhD, *Biology* | Pittsburgh, PA | Aug. 2018 - Apr. 2023
- Dissertation: "Investigating the drivers and impacts of phenological timing in invaded plant communities."

The College of William and Mary | B.Sc., *Biology and Environmental Science* | Williamsburg, VA | Aug. 2014 - Jan. 2018

Skills

R | Python | SQL | Microsoft Office Suite | Statistical Analysis| Data visualization