

Education

Master's in Natural Resources - Auburn University - 2025-Present

4.0 GPA. Restoration Ecology Graduate Certificate.

Alabama Master Naturalist Certification - Auburn Extension - Spring 2025-Present

Bachelor's in Anthropology - University of Alabama at Birmingham - 2018-2021

Honors Anthropology Coursework. Presidential Scholarship Recipient. 4.0 GPA in major-specific coursework. 3.67 Overall GPA.

Work Experience

Clinical Research Coordinator - University of Alabama at Birmingham - Dec 2023 - Present

- Facilitated data entry and management, while providing organizational oversight to ensure efficient lab functioning.
- Assisted with coding and troubleshooting using the MATLAB, UNIX Shell, and GitHub to ensure accurate data collection and smooth operation of procedures.
- Coordinated study activities and supported team members to ensure protocol compliance and adherence to university IRB guidelines.
- Assisted with participant screening and eligibility assessments. Conducted study-related activities in alignment with protocol standards, Good Clinical Practice (GCP), and regulatory requirements.

Operations Manager - Birmingham Zoo - Apr 2022 – Sept 2023

- Successfully managed staff recruitment, scheduling and training while overseeing park operations, safety and logistics, and the implementation and creation of policies and standard operating procedures.
- Supervised crew members with a focus on providing guests with a quality experience and clean facilities.
- Aided senior leadership with executive decision-making and project management through the use of data analysis and report generation.
- Contributed to strategic planning initiatives and maintained involvement in conservation efforts within the company as a member of the Green Team at the Birmingham Zoo.
- Trained in DEAI, management, and Disney standard of Customer Service.

Operations Supervisor – Birmingham Zoo - Dec 2021 - Apr 2022

- Led team training and mentorship initiatives to boost productivity and foster a cohesive work environment, aligning procedures with operational objectives.
- Strategized and executed process enhancements to elevate team performance, while coordinating with fellow supervisors to optimize collective efforts and resolve performance challenges.
- Implemented efficient work plans and delegated responsibilities, ensuring adequate staffing levels and alignment with service demands.

Publications

Maniglia, M., Jayakumar, S., Demirayak, P., Maxwell, E., Anand, D., Cortez, J., Vice, J. E., Visscher, K. M., & Seitz, A. R. (2025, April 11). A gaze-contingent display framework for perceptual learning research with simulated central vision loss. *Journal of Visualized Experiments*.
<https://doi.org/10.3791/67596>

Volunteer Experience

Data Collection - Auburn University - Fall 2025-Present

Assisted with data collection for a graduate student's project examining the reintroduction of fire to long unburned longleaf pine forests. Measured DBH of pines, and litter and duff mound depths. Assisted with collecting litter and duff and labelling for use in lab.

Traditional Tools Maintenance - Wild Alabama - Fall 2025-Present

Assists a team with trail maintenance in the Sipsey Wilderness Area using a 2-person crosscut saw, rescue saw, axe, and loppers.

Volunteer Wilderness Ranger - Wild Alabama/US Forest Service - Fall 2025-Present

Performs surveys with a team of trails in the Sipsey Wilderness Area. Logs trail blockages, invasive species presence, and abandoned campsites in ArcGIS. Shares Leave No Trace principles with visiting hikers. Cleans litter and debris from campsites. Disperses fire pits and other manmade structures in the Wilderness area.

Project Safe Flight Monitoring - Alabama Audubon Society - Spring 2025

Assisted Alabama Audubon society with Project Safe Flight monitoring during the spring of 2025. Completed weekly surveys of window strikes around Birmingham in ArcGIS platform. Identified birds by species.

Skills and Proficiencies

- Staff Management and Performance Monitoring
- Staff Training and Development
- Operations Monitoring
- Logistics Oversight, Policies and Procedures Implementation
- OSHA Confined Space Certification
- Adobe Creative Suite
- Google Workspace
- Bird Identification (Southeast)
- Microsoft Office Suite
- Mac OS/Windows
- GitHub/GitLab
- MATLAB
- UNIX Shell

References Available Upon Request