

# CODY DETTLAFF | RESUME

Conservationist

**Status:** MPS Candidate, Cornell University  
**College:** Agriculture and Life Sciences  
**Skills:** GIS, Field Ecology, SCUBA, R

Ithaca, NY  
Department of Natural Resources and the Environment  
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## Professional Summary

Environmental consultant in training and U.S. Marine Corps veteran with 9 years of proven leadership in global operations. Specialized in risk analysis, GIS, and ecological assessment, with applied research on sturgeon habitats, reef ecosystems, and marine bioacoustics. Experienced in project management, stakeholder engagement, and data-driven decision support. Adept at bridging field ecology, spatial analysis, and risk management to deliver actionable solutions for conservation, infrastructure, and resource management challenges.

## Research Experience

**GIS Analyst and Research Collaborator** - Huson River Project Cornell Lab of Ornithology 2023 - 2024

- \* Delivered spatial analysis in ArcGIS Pro to map Atlantic Sturgeon habitat use and migration routes in the Hudson River.
- \* Assessed risks from anthropogenic pressures
- \* Produced conservation risk maps and predictive models for agency and stakeholder decision making.
- \* Project outcomes supported state and regional management planning.

**Independent Research** - Cornell University 2023 - 2024

- \* Designed and executed multi site research across Hawaii and the Bahamas.
- \* Applied quantitative ecological methods and risk-based observation strategies
- \* Findings highlighted species roles as potential reef health indicators providing insight for resource management
- \* Secured partial funding through research grants

## Professional Experience

**CFL-2 Trainer** - Crossfit Vertical Sep. 2023 - Present

- \* Manage classes of 150+ athletes, fostering teamwork, resilience, and goal achievement.
- \* Holds a certification of Adaptive and Inclusive Trainer

**Outreach Peer Counselor** - Cornell University Sep. 2022 - Present

- \* Lead a team of 4 supporting veteran admissions, recruitment, and data security.

**Dive Master** - Cornell University Sep. 2023 - May. 2024

- \* Fill this out later

**Infantry Unit Leader** - United States Marine Corps Oct. 2012 - Jul. 2021

- \* Directed high-risk operations with teams of up to 63 personnel across deployments in the Balkans, Pacific, and Middle East.
- \* Authored multiple Standard Operating Procedures later adopted at the battalion and company level.
- \* Conducted risk assessments, resource allocation, and logistics management for projects valued at 3.5 million dollars.
- \* Trained and advised multinational partner forces, strengthening coalition operations and cross-cultural coordination.
- \* Recognized with Navy and Marine Corps Achievement Medals (2) for leadership and mission success.

## Education

**MPS in Natural Resources and the Environment** - Cornell University Aug. 2025 - Aug. 2026

- \* Capstone: Predictive modeling of Mesophotic Reef Systems
- \* Fill this out later

\* Concentration: Marine Biology

\* Minor: Environment and Sustainability