

Emma Forster

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EDUCATION

Muhlenberg College

August 2022 - May 2026 (Expected Graduation)

BS Environmental Science

BA Dance; Dance Science,

Minors: Biology and Public Health

Monmouth Regional High School

September 2018 - June 2022

National Honor Society, Performing Arts Academy, STEM Academy

PROFESSIONAL EXPERIENCE

Mulenberg Undergraduate Research Initiative

May 2024 – December 2024

- Conducted research on three distinct projects over 160+ hours, examining ecological and environmental topics
- Investigated camouflage tendencies of aquatic Isopoda and benthic habitat preferences.
- Studied the effects of juglone on aquatic macroinvertebrates, analyzing behavioral and physiological responses.
- Collaborated with the City of Allentown to assess the health of Little Cedar Creek using the EPT (Ephemeroptera, Plecoptera, Trichoptera) index.
- Presented research findings to the institution's Board of Trustees, showcasing project relevance and outcomes.
- Delivered a detailed presentation of research at the student research fair during Alumni Weekend, engaging with peers, faculty, and alumni.
- Independently continued the assessment of Little Cedar Creek by identifying and counting collected specimens, performing statistical analysis to support environmental management recommendations.
- Authored a comprehensive written report summarizing methodologies, results, and conclusions for Little Cedar Creek findings.

Stone Pony Summer Stage

April 2023 - Present

Security Guard

- Monitored entrances, exits, and crowd activity to ensure a safe and secure environment during events with up to 8,000 attendees.
- Conducted thorough bag checks to enforce venue safety protocols and prevent prohibited items.
- Coordinated with law enforcement, emergency medical personnel, and management during incidents or emergencies to maintain order and resolve situations promptly.
- Maintained detailed incident reports to document security-related events and support post-event evaluations.
- Enforced policies regarding alcohol consumption, prohibited substances, and disruptive behavior to ensure compliance with venue regulations.

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Monmouth County Parks Department
Dorbrook Park - Camp Counselor

June 2019– September 2022

- Planned and led age-appropriate activities, including sports, arts and crafts, nature exploration, and team-building exercises, for children aged 3-12.
- Supervised daily camper activities, ensuring their safety, engagement, and enjoyment throughout the program.
- Delivered first aid and responded to minor injuries or emergencies in accordance with established protocols.
- Communicated regularly with parents/guardians, providing updates on camper progress and addressing any concerns.
- Collaborated with other counselors and staff in organizing games amongst different groups.
- Maintained clean and organized activity spaces and ensured adherence to all camp rules and safety guidelines.

SKILLS

Proficient in ecological metrics and statistical tools to interpret environmental data and inform decision-making. Skilled in sample collection, species identification, and habitat assessment for diverse ecosystems. Experienced in delivering oral presentations, technical writing, and reporting findings to varied audiences, including academic and professional stakeholders. Adept at working with academic institutions, municipal organizations, and interdisciplinary teams to achieve shared environmental objectives. Demonstrates strong time management and problem-solving skills in executing self-directed research projects. Experienced in leading teams and contributing effectively in collaborative environments to meet project goals.

INTERESTS & OTHER

Muhlenberg Campus Delegate, Risk Management Chair of Phi Sigma Sigma Sorority, Women in STEM club mentor, Biology Club, PR Chair of The Muhlenberg Dance Association, Dance Department Class Representative '26, Vice President of the Perkulators Dance Team