

Lydia Roe

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OBJECTIVE: To mitigate negative human-environment interactions and support positive human-environment impacts

EDUCATION

Pennsylvania State University, University Park, PA— B.S.

August 2018 - May 2022

Major in Environmental Resource Management; Minors in Environmental Engineering, Watersheds/Water Resources, and Spanish; GPA 3.41

EXPERIENCE

College Settlement Day Camp, Horsham, PA — Counselor

June 2021 - August 2021

Job responsibilities: facilitating activities, keeping children engaged with different environmental experiences, adapting to the needs and learning style of each child, and conducting as a role model to inspire respect and joy for learning.

Primary skills acquired: adaptability, composure, patience, rapid synthesis of objectives, and executing daily plans.

Jules Thin Crust, Newtown, PA — Line Staff

August 2017 - June 2021

Job responsibilities: ensuring customer satisfaction, maintaining a clean work environment, fast-paced food production, and being helpful and approachable for new customers.

Primary skills acquired: interpersonal skills, creative problem solving, multi-tasking, and customer service.

PROJECTS

Wetland Delineation — Assessing Tyler State Park, 2021

Project objective was to write an evaluation of a wetland site according to the Army Corp of Engineers' definition of wetlands. Site selected was in Tyler State Park (PA), alongside Neshaminy Creek. Data was acquired in the field, including soil characteristics from samples and presence of hydrophytic vegetation. Compiling data and comparing them to wetland standards yielded that the edge location chosen was outside of the wetland boundary.

Student Pad Project — Menstrual Health in India, 2020-2022

Project objective is to fundraise to construct self-sustaining menstrual pad production facilities in rural villages in India to reduce preventable illness. The club partners with a non-profit in India to select and construct the sites. The facilities employ local residents to produce sanitary products and generate a source of income. The club has set up a site serving the Irulu tribe in southern India. As president, responsibilities include increasing awareness, fundraising, and leading meetings to keep members engaged and motivated. Combining houseplant hobby with fundraising objectives created an opportunity to propagate personal houseplant collection, sell plants to fellow students, and donate profits to project.

APPLICABLE COURSES

Land Use Planning
and Procedures

Urban Forestry

Resource Systems
Analysis

Chemistry of Air,
Water, and Soil

Water and
Wastewater Treatment
Engineering

Case Studies in
Ecosystem Management

LANGUAGES

English first language
Spanish conversationally

INVOLVEMENT

Student Pad Project-
President

**The College of Agricultural
Sciences Diversity
Coordinating Council-**
undergraduate member

**Environmental Resource
Management Society-** member