

REMOVING OBSTACLES FOR STEM EXCELLENCE (ROSE) LAB
COLLEGE OF ENGINEERING AND APPLIED SCIENCE

RESEARCH OPPORTUNITIES FOR UNDERGRADUATE students

APPLICATION DEADLINE: April 29, 2024

PROJECT TITLE: Facilitating and Engaging in STEM Outreach: Young STEMinistas

Physical Requirement : No physical requirement

Project's Technical Skills Requirement : Proficiency in MS Word, Excel, Outlook, and PowerPoint.

Project's Available Positions : 1

Whitney Gaskins
826 Mantei Center
College of Engineering and Applied Science
Cincinnati, Ohio 45221
gaskinwb@ucmail.uc.edu
phone: 513-556-5898

Project Description

Project Description: The Gaskins Foundation and the Removing Obstacles for STEM Education Lab (R.O.S.E. Lab) facilitates an education and training program titled the Young STEMinistas. This program is an immersive STEM program for girls in 6th through 12th. The program encompasses collaborative partnerships within Digital Futures at UC: Digital Futures is an inclusive, innovative, and impactful consortium of researchers and laboratories that centers innovation and collaboration to solve problems and conduct interdisciplinary and applied research. The Young STEMinistas program enacts an active and engaged learning approach in STEM (Science, Technology, Engineering, and Mathematics).

Program Objectives:

- 1) Engage Young STEMinistas in culturally relevant STEM applications.
- 2) Develop Young STEMinistas' technical skills, knowledge, and self-efficacy in STEM.
- 3) Immerse Young STEMinistas in possible STEM career trajectories.

Position Description

This research project will be completed in the R.O.S.E. Research Lab in the Digital Futures laboratory. You will work as part of a multidisciplinary team to assist in the execution of the programming including logistics, problem solving, and communication. In addition, opportunity for scholarly activity related to outreach programs and other R.O.S.E. Lab research activity as needed.

Preferred skills include:

- Experience/familiarity with Microsoft Suite

- Organizational Skills
- Strong Communication Skills
- Willingness to learn

Training provided:

- Data ethics and integrity via CITI Training, IRB on-boarding, and lab on-boarding
- Knowledge of the efforts to Broaden Participation in STEM
- Training and a foundational understanding in participant action research
- Potential for research publications and presentations at the local and national levels