

Rebecca Mills

Permanent Address

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Campus Address

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rebecca.mills1@live.longwood.edu

Education:

Bachelor of Science in Biology

Longwood University, Farmville, VA
GPA: 3.9

August 2019-May 2023

Minor: Chemistry

Relevant Coursework:

- Organic Chemistry 1 & 2
- Statistics
- Ecology
- Invertebrate Zoology
- Genetics
- Biodiversity & Conservation

Research Experience

Longwood University LIFE STEM Scholar

August 2019-May 2023

- LIFE STEM scholars complete advanced courses to further experience with scientific writing, oral presentations, and research
- Collected samples in the Chesapeake Bay to conduct research regarding chlorophyll concentrations
- Created a research proposal on the effects of sea level rise on the Chesapeake Bay

Detecting GMOs in Daily Foods: Advisor: Dr. Consuelo Alvarez

August-December 2020

- Research to determine the presence of GMOs in food through PCR and gel electrophoresis
- Analyzed how different primers affected the ability for PCR reactions and gel electrophoresis to detect GMOs in daily foods.

Presentations

-Rebecca Mills; Millsboro, DE Trichloroethylene Contamination; Longwood University Research Day BIOL 364; 2021; Poster Presentation

-Rebecca Mills; The Role of Varroa Mites in Honeybee Viruses; Longwood University ISCI 121 class project; 2020; oral PowerPoint presentation.

-Rebecca Mills; Evaluation of binding properties of functionalized bacterial magnetic nanoparticles to human cancer cells; VA Academy of Science; 2021; poster presentation.

Skills

-Proficient in Microsoft Word, Excel, and PowerPoint

-Proficient use of PCR and gel electrophoresis

-Knowledgeable in RStudio

Awards and Honors

Member of Cormier Honors College at Longwood University, 2019-present

Longwood Award, May 2019.

-Awarded to students with high academic achievements and test scores.

General Honors Scholarship, May 2019.

-Awarded to students within the Cormier Honors College with high academic achievements.

Lancer Achievement Award, May 2019.

-Awarded to students who have high academic standing.

Nance Honors Scholarship, May 2019.

-Awarded on the basis of academic performance, test scores, curricular activities, and letters of recommendation.

President's List, Fall 2019, Spring 2020, Fall 2021.

Dean's List, Fall 2020, Spring 2021.

Activities

Honors College Volunteer, Longwood University, 2020-present

Women in STEM Member, Longwood University, 2019-2021

Longwood University String Ensemble, 2020-present

Longwood University Sustainability Scholars, 2020

Hispanic Latino Association Member, 2020-present

References

Dr. Andrew Yeagley
Associate Professor, Chemistry
(434) 395-2582
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Dr. Denis Trubitsyn
Assistant Professor, Biology
(434) 395-4871
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Dr. Consuelo Alvarez
Professor, Biology
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