**Meghan Myles**

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Education

**University of Connecticut** Storrs, CT

**College of Liberal Arts and Sciences** *May 2023*

*Bachelor of Science in Ecology and Evolutionary Biology*

*Bachelor of Arts in Applied Mathematical Sciences*

­GPA **3.87**, *cum laude*

*Master of Science in Data Science August 2024*

**GPA 3.81**

Employment

**Plant Computational Genomics Laboratory** Storrs, CT

***TreeGenes Database - Head of the Biocuration Team*** *August 2022 – Present*

* **Data restructuring and optimization:** Utilizing Python programming skills to design and implement scripts for restructuring genetic and phenotypic data sets.
* **Team leadership:** Supervising and mentoring a small team of undergraduates, fostering a collaborative and productive work environment. Providing guidance and support in data management tasks.
* **Project management:** Overseeing the planning and execution of database-related projects. Tracking project milestones and meeting evolving project requirements.

***Research Associate*** *May 2023 – Present*

* **Terpenoid data analysis:** analyzing raw terpenoid concentration data, using statistical methods to identify trends in the data.
* **Field work:** Orchestrating monthly hemlock tree sampling for both terpenoid and RNA content.
* **Collaborative research:**Participated in multidisciplinary discussions with collaborating researchers to integrate findings into a broader scientific context.

Honors

**Nutmeg Scholarship** *August 2019 – May 2023*

Four-year merit-based undergraduate scholarshipcovering tuition, room, and board

**College of Liberal Arts and Sciences Dean’s List** *Fall 2019, Fall 2020, Spring 2021*

Semester GPA ranked in upper 25th percentile *Fall 2021, Spring 2022*

**Phi Beta Kappa** *April 2022 - Present*

National Honor Society general member

RELEVANT COURSEWork

EEB 4100 – Big Data Science for Biologists

EEB 3360 – Physiological Ecology of Plants

EEB 3271 – Systematic Botany

EEB 4276 – Plant Structural Diversity

Skills

*Applications:* Microsoft Office – Excel, Word, PowerPoint; Tableau

*Programming:* Python, R, MATLAB, SQL; LaTeX, Markdown