

CHRIS TALBOT | CV

Lab Technician in Ecology and Evolutionary Biology

Status: Lab Technician at the University of Michigan, Weber Lab

Fields: Ecology & Evolutionary Biology

Interests: Macroecology, macroevolution, population genetics, machine learning

Techs: R, Python, C++, Git, LaTeX, SLiM

Ann Arbor, Michigan

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Summary

First-gen academic interested in patterns of ecological organization across spatiotemporal scales, the evolutionary drivers of those patterns, and how those patterns respond to global change. Fascinated with modern methods for evaluating ecological & evolutionary processes, particularly using citizen science and machine learning.

Education

B.S. Ecology, Evolution, and Biodiversity - University of Michigan (UMich) - GPA 3.7 2024

- Honors Thesis: Patterns of floral color in communities of common Northeast American wildflowers
- Honors Thesis Advisor: Marjorie Weber
- Coursework: Statistics & probability, programming & data structures, genetics, macroevolution, ethnobotany

Associates of General Studies - Grand Rapids Community College (GRCC) - GPA 3.9 2020

- Computer Science & Mathematics Concentration
- Coursework: C++ programming, database development, web application programming, information security

Research

Lab Technician - Bradburd Lab - UMich-Ecology & Evolutionary Biology (EEB) 2024-Present

- Project: TBD

Lab Technician - Weber Lab - UMich-EEB 2023-Present

- Project: "Investigating patterns of floral color across Northeast American wildflowers using citizen science data"

Undergrad Researcher - Weber Lab - UMich-EEB 2022-2023

- Project: "Patterns of floral color in communities of common Northeast American wildflowers"

Undergrad Researcher - Márquez Lab - UMich-EEB 2021-2022

- Project: "Optimizing CRISPR-Cas9 genetic modification in *Phylllobates* poison-dart frogs"

Publications

In Preparation

Talbot, CA, Weber, MG. **2024**. Investigating patterns of floral color across Northeast American wildflowers using citizen science data.

Fellowships & Grants

Biological Station Student Fellow - UMich Biological Station (\$1,680) 2023

Student Research Grant Recipient - UMich UROP (\$5,000) 2022, 2023

Biomedical & Life Sciences Summer Fellow - UMich UROP (\$4,000) 2022

Community College Summer Institute Fellow - UMich-School of Information (\$100) 2019

Teaching & Mentoring

Docent (Volunteer Educator) - Matthaei Botanical Gardens & Nichols Arboretum 2023-Present

Forestry Test Writer & Proctor (Volunteer) - UMich Science Olympiad 2023-Present

Director of Percussion - Lake Orion Community Schools, Lake Orion, MI 2022-2023

Transfer Student Peer Mentor - UMich-LSA Transfer Bridges Program	2022-2023
Director of Percussion - Spring Lake Public Schools, Spring Lake, MI	2019-2022
Freelance Percussion Instructor & Composer - 8 school districts across Michigan	2018-2022
Professional Peer Tutor - GRCC Drop-in Tutoring Labs	2019-2020
· Mathematics Tutorial Lab - arithmetic, algebra, pre-calculus, statistics, and calculus	
· Language Arts Tutorial Lab - creative writing, academic writing, college admissions essays, resumes & CVs	

Professional & Service

Co-Founder, President, and Volunteer - Students for Public Power @UM	2023-Present
Shift Leader - Biggby Coffee, Grand Rapids, MI	2021-2023
Seasonal Retail Lead - John Ball Zoo, Grand Rapids, MI	2019

Presentations

Poster - Botanical Society of America Conference	2024
· Title TBD	
Poster - UMich Program in Biology Undergraduate Research Poster Session	2024
· "Patterns of floral color in communities of common Northeast American wildflowers"	
Talk - UMich Department of Ecology & Evolutionary Biology	2024
· "Do flowers of a color bloom together?"	
Poster - UMich Undergraduate Research Opportunity Program (UROP) Symposium	2022
· "Optimizing CRISPR-Cas9 genetic modification in <i>Phylllobates</i> poison-dart frogs"	

Languages

English - Fluent	Native
R - Advanced	C1
German - Intermediate	B2
C++ - Intermediate	B2
Python - Intermediate	B1
Spanish - Beginner	A1
Nishnaabemwin (Eastern Ojibwe) - Beginner	A1

Certifications

Certified Michigan Naturalist - Michigan State University Extension	2024
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Extracurriculars

Founding Member - UMich Ecological Restoration Club	2023-Present
Member - UMich Math Club	2020-2022
Vice President - GRCC Programmers	2019-2020
Ensemble & Section Leader, Performer - Genesis Percussion Ensemble	2014-2020