

CHRIS TALBOT | CV

Lab Technician in Ecology and Evolutionary Biology, University of Michigan

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

Fields: Ecology & Evolutionary Biology

Interests: Evolutionary ecology, global change, population genetics, machine learning

Techs: Python, R, C++, Rust, SLiM

Ann Arbor, Michigan

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Summary

First-gen academic with years of experience in the lab, field, and behind a screen. 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 emerging methods for evaluating complex systems, including community science, machine learning, and tree sequence statistics.

Education

B.S. Ecology, Evolution, and Biodiversity - University of Michigan (UMich) - GPA 3.74 2024

- Graduated with **Highest Honors** under the supervision of Marjorie Weber
- Honors Thesis: Patterns of floral color in communities of common Northeast American wildflowers
- 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) Starting 2024

Lab Technician - Weber Lab - UMich-EEB 2022-Present

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

Undergraduate 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

Travel Grant Recipient - SACNAS (\$2,500) 2022

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 - Mathematics, Language Arts	2019-2020

Professional & Service

Percussionist - Straits of Mackinac Concert Band, Mackinaw City, MI	2024-Present
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

Talk & Poster - Evolution 2024, Montreal, QC	2024
Lightning Talk & Poster - Botany 2024, Grand Rapids, MI	2024
Talk - UMich Department of Ecology & Evolutionary Biology	2024
Poster - UMich Undergraduate Research Opportunity Program (UROP) Symposium	2022
· "Optimizing CRISPR-Cas9 genetic modification in <i>Phylllobates</i> poison-dart frogs"	

Languages

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

Certifications

Certified Michigan Naturalist - Michigan State University Extension	2024
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Professional Memberships

American Society of Naturalists - Student Member	2024-Present
Botanical Society of America - Student Member	2024-Present
Society for the Study of Evolution - Student Member	2022-Present

Extracurriculars

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