

# 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, genetics, machine learning

**Techs:** R, Python, C++, Git, LaTeX, 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 and machine learning.

## 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

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

2022

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

2019

## Teaching & Mentoring

<b>Docent (Volunteer Educator)</b> - Matthaei Botanical Gardens & Nichols Arboretum	2023-Present
<b>Forestry Test Writer &amp; Proctor (Volunteer)</b> - UMich Science Olympiad	2023-Present
<b>Director of Percussion</b> - Lake Orion Community Schools, Lake Orion, MI	2022-2023
<b>Transfer Student Peer Mentor</b> - UMich-LSA Transfer Bridges Program	2022-2023
<b>Director of Percussion</b> - Spring Lake Public Schools, Spring Lake, MI	2019-2022
<b>Freelance Percussion Instructor &amp; Composer</b> - 8 school districts across Michigan	2018-2022
<b>Professional Peer Tutor</b> - GRCC Drop-in Tutoring Labs - Mathematics, Language Arts	2019-2020

## Professional & Service

<b>Percussionist</b> - Straits of Mackinac Concert Band, Mackinaw City, MI	2024-Present
<b>Co-Founder, President, and Volunteer</b> - Students for Public Power @UM	2023-Present
<b>Shift Leader</b> - Biggby Coffee, Grand Rapids, MI	2021-2023
<b>Seasonal Retail Lead</b> - John Ball Zoo, Grand Rapids, MI	2019

## Presentations

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

## Languages

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

## Certifications

<b>Certified Michigan Naturalist</b> - Michigan State University Extension	2024
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## Professional Memberships

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

## Extracurriculars

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