

# 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 3.74

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)

Starting 2024

**Lab Technician - Weber Lab** - UMich-EEB

2023-Present

- Project: "Investigating patterns of floral color across Northeast American wildflowers using community 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

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

<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	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

<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</b> - UMich Department of Ecology & Evolutionary Biology	2024
· "Do flowers of a color bloom together?"	
<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>English</b> - Fluent	Native
<b>R</b> - Advanced	C1
<b>German</b> - Intermediate	B2
<b>C++</b> - Intermediate	B2
<b>Python</b> - Intermediate	B1
<b>Spanish</b> - Beginner	A1
<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>Society for the Study of Evolution</b> - Student Member	2022-Present
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## 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