

Joseph Young
youngj98@msu.edu

EDUCATION

Michigan State University

Dual Ph.D. in Forestry and Ecology, Evolution & Behavior Jan. 2022 - Present
Committee: Dr. David Rothstein (Chair), Dr. Lars Brudvig, Dr. Andrew Finley, Dr. Amy Trowbridge
Research: My research seeks to understand the interactions between morphophysiology, climate, productivity, and mortality of jack pine in the great lakes. This research takes place in the context of an adaptive management partnership between the MI DNR, US Forest Service, and Michigan State university.

Oakland University

B.S. in Environmental Science and Natural Resources Sep. 2016 – Apr. 2021
Post-Baccalaureate study in Biology Sep. 2021 – Dec. 2021

RESEARCH EXPERIENCE

Research Assistant

Department of Forestry, Michigan State University

Jan. 2022 - Present

Herbarium Manager

Department of Biological Sciences, Oakland University

Dec. 2022 - Present

Research Coordinator

Department of Biological Sciences, Oakland University

May 2021 – Dec. 2021

TEACHING EXPERIENCE

Guest Lecturer - Conservation Biology in Practice (EEB 405)

School for Environment and Sustainability, University of Michigan

May 2025 - June 2025

Instructor - Sustainable Wood Products (FOR 414)

Department of Forestry, Michigan State University

Jan. 2025 - April 2025

Lab Instructor - Dendrology (FOR 204)

Department of Forestry, Michigan State University

Sep. 2024 - Dec. 2024

Teaching Assistant - Forestry Field Studies (FOR 420)

Department of Forestry, Michigan State University

May 2023

Teaching Assistant - Forestry Field Studies (FOR 420)
Department of Forestry, Michigan State University

May 2022

Teaching Assistant - Organic Farming (BIO 3360)
Department of Biological Sciences, Oakland University

Sep. 2020 – Dec. 2020

ADDITIONAL EXPERIENCE AND SERVICE

MW CASC Annual Gathering
Planning Committee, *East Lansing MI*

Apr. 2024 - Aug. 2024

MI Nature Association Sanctuary Steward
Jack Pine Leatherleaf Bog, *Roscommon MI*
Frost Pocket Plant Sanctuary, *Johannesburg MI*

Apr. 2022 - Present

Arborist Consultant
Village Of Romeo Tree Board, *Romeo MI*

Mar. 2021 – Present

SKILLS AND CERTIFICATIONS

Arboriculture and Urban Forestry: ISA arborist certification (obtained in 2022)

Spatial Data Analysis: ESRI Suite (ArcMap, ArcGIS Pro, ArcGIS Online), QGIS, GRASS

Programming: R, Java, JavaScript, HTML

Database: SQL, PostgreSQL, PostGIS

PUBLICATIONS

Dorsen D., **Young J.**, Ascher J., Evans E.; Gibbs J., Hung J., Miller-Struttman N., Neylon J., Portman Z., Rowe L., Jamieson M. (*Under Review*) Community science for pollinator research: a regional assessment of iNaturalist data.

PRESENTATIONS

Kirtland's Warbler Conservation Team Meeting
Jack pine research working group; Jack Pine Growth and Mortality Post-KW

February 2025

MW CASC Annual Gathering
Managing jack pine under a changing climate: Variable responses of growth, mortality, and their interactions to different aspects of climate, soil, and water.

August 2024

Kirtland's Warbler Conservation Team Meeting August 2024
Jack pine research working group; field tour and discussion on jack pine regeneration and revegetation after mastication.

Kirtland's Warbler Conservation Team Meeting February 2024
Jack pine research working group; early revegetation of jack pine harvests under mastication

MW CASC Science Seminar Series October 2023
Ecophysiology of Jack Pine: Climate adaptation in the great lakes region

Kirtland's Warbler Conservation Team Meeting August 2023
Jack pine research working group; early revegetation of jack pine harvests under mastication

ESA Annual Meeting August 2023
Ecophysiology of Jack Pine (*Pinus banksiana*) Under Climate Change: Productivity and Mortality in the Great Lakes region

FUNDING

MW CASC September 2023 - April 2024
Research Assistantship; One year of stipend consistent with departmental assistantship as well as standard tuition waiver and health insurance

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