

Isaac Young

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327 N Johnson St. Iowa City, IA 52445

EDUCATION

The University of Iowa | Iowa City, IA

Anticipated May 2025

B.S., Geography – Geographic Information Science

Minor, Philosophy

- Current GPA: 4.02
- Independent Creative Research by Undergraduates (ICRU) Fellowship recipient
- Featured in Dare to Discover research campaign 2024-2025
- Four semesters on Dean's List, two semesters on President's List
- Graduating With Highest Distinction

Iowa City West High School | Iowa City, IA

May 2021

- GPA: 4.27

GEOGRAPHY SKILLS, TOOLS, & EXPERIENCE

GIS knowledge	Microsoft Office tools	Remote sensing
Ecosystem Ecology	Cartography	Physical geography principles
Research presentation	Written and Verbal Communication	
Statistics principles	Geodatabase management and usage	
Coding in R, Java, JavaScript, C++, SAS, and HTML	Data collection	

RESEARCH EXPERIENCE

The University of Iowa Lab for Observing and Quantifying Aquatic and Terrestrial Ecosystems (LOQATE) |

Iowa City, IA

June 2024 – Present

Undergraduate Researcher

- Process hyperspectral imagery to track harmful algal blooms in inland lakes
- Use multispectral imagery and statistical methods to identify infected bur oak trees
- Measure and assess trees in the field for infection severity
- Presented my research, *Detecting Bur Oak Blight with Satellite Imagery*, at Research in the Capitol and the Spring Undergraduate Research Fair

The University of Iowa, IIHR- Hydrosience and Engineering | Iowa City, IA

June 2023 – August 2023

Engineering Research Assistant

- Collected data for models of flash flooding on roadways
- Assisted in the fabrication of hydraulic physical models and their upkeep
- Participated in community outreach events through project and facility demonstrations

WORK EXPERIENCE

Community Center | North Liberty, IA

April 2022 – Present

Front Desk Service

- Use communication and interpersonal skills to greet and assist patrons
- Manage membership and program registrations in a recreation database
- Balance scheduling for many facilities and stakeholders

OTHER EXPERIENCE

Iowa Community Integrated Geography Organization (ICIGO) | Volunteer

Spring 2024

- Used Survey123 and Experience Builder to document school field trips

Cedar River Academy | Kindergarten Volunteer
Girls on the Run | Volunteer
The Georgetown Anthem | Fiction and Poetry Contributor
New Moon Magazine | Flash Fiction Contributor

October 2022 – January 2023
Summer 2024
Fall 2021, Fall 2022
September 2024

REFERENCES

Dr. Susan Meerdink | Assistant Professor, University of Iowa
Matt Meseck | Recreation Supervisor, North Liberty Community Center

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More references available upon request.