

Eric Thomas

1320 Muscatine Ave
Iowa City, IA 52240
319-594-7976
ent2214@gmail.com

Education

University of Iowa Iowa City, IA

Expected Graduation: Spring '24

Pursuing Environmental Science B.S. with a chemistry concentration.

Minoring in Chemistry with certificates in G.I.S. and Sustainability.

Professional Experience

Ashton Living Laboratory Researcher University of Iowa

Jan 2022 - Present

- Lead a research project comparing water runoff of prairies and turfgrass.
- Performed macroinvertebrate studies and correlated population to water quality.
- Monitored erosion and water levels of refinished dam.
- Set sites using a Total Station and RTK GPS.

Community Garden Specialist Americorps - Lansing, MI

Oct 2020 - Sept 2021

- Created, maintained, and managed over 150 gardens within the city.
- Operated chainsaws, excavators, and Kubota L3200 with multiple attachments.
- Led educational seminars and volunteer projects with more than 30 participants.
- Managed invasive species manually and with Garlon 4ultra and Clethodim 2E.

Head Lifeguard Iowa City Parks and Recreation

Dec 2018 - April 2020

- Co-led lifeguard training sessions with over 30 employees.
- Extensive training in diversity and inclusion.
- CPR, First Aid, and Lifeguard Certified.

Undergraduate Researcher Forbes Research Group

Feb 2019 - July 2019

- Synthesized inorganic nanocrystals for water purification
- Predicted molecular makeup of compounds using UV/VIS/NIR spectroscopy
- Mapped the atomic structure of nanocrystals using single X-ray diffraction

Volunteer Experience

Iowa City Meadows Project

Jan 2022 - present

- Founded a non-profit dedicated to revitalizing native Iowa prairies and wetlands.
- Grew and gave away over 600 native perennial plants.
- Wrote and received the Student Impact Grant for \$500 from the University of Iowa.

UI Student Gardeners

Aug 2019 - March 2020

- **Greenhouse Manager:** Taught others about alternative agriculture. Ran hydroponic system.
- **Treasurer:** Managed over \$9,000 for the organization using Microsoft Excel.

Computer Skills

GIS: ArcGIS Pro, ArcMap 10.8, ArcGIS Online, QGIS

Remote Sensing: ERDAS Imagine, ArcGIS Pro, Google Earth Engine

Data Processing: Microsoft Excel, Google Sheets, Observable Notebook, GitHub

Programming Languages: JavaScript, Python, HTML, D3