Ethan Traugh

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EDUCATION

The University of Iowa, Iowa City, IA   Anticipated May 2023
- BA Geography (Geographic Information Science)
- BA Computer Science
- Sustainability Certificate

CLASS AND INDEPENDENT PROJECT EXPERIENCE

Geographic Databases
Developing Geographic Database for Independent Musicians   August 2022 – Now
- Programmed web-scraper in Python to collect Venue Information
- Analyzed geographic data with ArcGIS and Spatial SQL
- Developed music market indices incorporating demographics, location, and incomes

Geospatial Programming
Compared City Compositions Using Point of Interest Data   February 2022 – May 2022
- Designed and executed study to compare the levels of mixed-use areas in Iowan Cities.
- Compared 30+ cities by automating GIS workflows in Python
- Leveraged 3rd party POI data and academic literature to create a meaningful mixed-use proxy

Senior Geography Capstone
Observed Place Attachment in Iowa City   February 2022 – May 2022
- Carried out an online survey to gather and map Iowa City resident's favorite locations
- Aggregated, geo-coded, and analyzed data using Python and ArcGIS

Independent
Sweepstakes Software for Local Band   March 2022 – March 2022
- Created custom software to help local band boost fan engagement
- Collaborated with team to market and design sweepstakes

WORK EXPERIENCE

Musician, Producer, Artist - 24thankyou
August 2019 – Now
Iowa City, IA
- Established an audience of Iowa City residents by consistently publishing music, performing, networking, and marketing
- Produce and engineer for various artists in Iowa City
- Partnered with a local business to provide entertainment for their launch and onwards

Parking Attendant   February 2022 – Now
University of Iowa
- Provide excellent customer service to 20+ customers a day
- Communicate with staff to ensure smooth and safe operation of parking ramps

SKILLS
- Software: ArcGIS Pro, PostgreSQL, and Microsoft Office
- Computer Languages: Python, HTML, CSS, Java, Haskell, SQL
- Audio Production and Engineering: FL Studio, Recording, Mixing