

Daniel D. Peacock

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EDUCATION

University of Michigan

Major in Computer Science, Minor in Mathematics

GPA - 3.39 / 4.00

Relevant coursework: Data Structures and Algorithms, Introduction to Machine Learning, Foundations of Computer Science, Applied Linear Algebra

Awards: Dean's List, University Honors

Ann Arbor, MI

Sep 2020 – Dec 2023

EXPERIENCE

Michigan Hackers

Sep 2021 – Present

Machine Learning Member

- Created a handwriting recognition machine capable of differentiating all digits in handwriting with 99.9% accuracy
- Devised Capture the Flag challenges applying cryptography and image encryption techniques accepted to be used in a CTF competition

Michigan Aeronautical Science Association

Sep 2020 – Dec 2020

Structures Team Member

- Took charge in optimizing Tangerine Space Machine's oxygen propellant tank end cap to establish structural integrity with consideration towards a mass budget
- Presented material stress simulation data and analysis to a board of team leads at weekly meetings
- Modeled structures in Solidworks, created and ran simulations in ANSYS, and learned basics of Git to ensure changes to the Endcap were accessible to team members

Campus Band

Aug 2022 – Present

Lead Oboe

- Led the oboe section by acquiring first chair oboe through a competitive audition process
- Prepared to excel as a performer by practicing for hours outside of class
- Communicated with directors and other section leaders to ensure problems were addressed and resolved

West End Tavern

May 2020 – Aug 2022

Restaurant Server

- Handled monetary transactions with credit cards, gift cards, and cash
- Interacted with guests and coworkers in a timely, professional, and friendly manner in order to establish relationships and provide excellent service
- Took advantage of menu knowledge to advise customers and up-sell menu items when possible to generate more money for the restaurant

PROJECTS

Disc Golf Shop | Python

Sep 2022

- Developed an original Disc Golf shopping application in Python where users can easily browse discs, professional players, and companies
- Web scraped thousands of entries of data from the Internet leveraging Selenium and BeautifulSoup in order to creatively displays photos and data to users
- Organized four data frames containing relevant information for discs, men's and women's professional players, and prominent disc golf companies

Portfolio Website | HTML, CSS, JavaScript

Mar 2022 – Present

- Built a mobile-friendly personal portfolio website hosted by GitHub that displays personal and academic accomplishments
- Optimized for search and the social web using meta tags and media links to increase website engagement

TECHNICAL SKILLS

Languages: C++, C, Python, HTML, CSS, MATLAB, JavaScript

Developer Tools: Git, Ubuntu, VS Code, Visual Studio, PyCharm, Eclipse

Libraries: pandas, NumPy, Matplotlib, selenium, BeautifulSoup