

Mitchell Carter

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EDUCATION

University of Michigan

Graduated December 2024

Bachelor of Science, Informatics

Ann Arbor, MI

- Relevant coursework: Web Systems, Programming and Data Structures, Data Structures and Algorithms, Discrete Math, Introduction to Statistics and Data Analysis, Applied Statistical Methods, Elementary Programming Concepts
- Member of the Ann Arbor Inter-Cooperative Council (ICC) and Social Tennis Club

EXPERIENCE

University of Michigan Information Technology Services

May 2023 – August 2023

Full Stack Development Intern

Ann Arbor, MI

- Developed Python code within the Django framework as a part of a cross-functional team, improving the security of the university's account management web application which serves over 60,000 students, faculty, and employees.
- Enhanced the security and user accessibility of the university's account management web app by utilizing Javascript and HTML/CSS to improve the two-factor authentication system, resulting in increased data protection and user satisfaction.
- Lead an intern project team in the development of a Minimum Viable Prototype (MVP) mobile application using React Native and Django. This project followed the Agile framework, which led to a streamlined development process and quicker delivery of features.
- Designed and programmed the back-end API and played a pivotal role in structuring the SQL database of the application, ensuring efficient data storage and retrieval for the mobile app.

Nakamura Cooperative House

April 2023 - December 2023

President /Property Manager

Ann Arbor, MI

- Led house meetings to decide budgets, house officer elections, and week-to-week house operations, including the distribution of chores and schedules for house dinners needed for the 29 house members.
- Mediated conflicts between house members to ensure safe and productive relationships among housemates.
- Created educational orientation materials for 22 new members, ensuring successful house operations during high member turn-over.

Monroe County Planning Division

June 2018 – August 2019

Geographic Information System Technician

Monroe, MI

- Performed digitization of analog maps in ArcGIS, ensuring accuracy in the placement and naming of parcels.
- Utilized SQL to manage the county's GIS database, update records, and recall information.

SKILLS, INTERESTS, AWARDS

- **Tech Skills:** C++, Python (Django, Flask), Javascript, React, HTML/CSS, SQL, Shell Scripting, Microsoft Office Suite
- **Soft Skills:** Strong written and verbal communication, Effective collaborator and leader, Independent learner, Self-starter
- **Interests:** Competitive Sailing; Analog video synthesis; Live music; Photography; Camping; Tennis; Guitar
- **Awards:** Eagle Scout, SEC Academic Top 5, Dean's List (2 years)

PROJECTS/EVENTS

- **Machine Learning Text Post categorizer (July 2022)**
 - Implemented a Multi-Variate Naïve Bayes' Classifier in C++ to categorize text posts
 - Utilized binary search trees to train the program and make predictions for classifications of new posts
- **Instagram Clone Web-App (October 2023)**
 - Developed a front end interface in React featuring infinite scroll and pagination for a user's feed
 - Created an API to enable the callback of a user's feed using SQL queries
 - Utilized AWS to create a deployment to host the site in the cloud
- **"Rockamura" - Summer Music Festival at Nakamura House (August 2022 & August 2023)**
 - Corresponded with the House Social Chair and the performing acts for scheduling, budget, and equipment
 - Designed and distributed posters, stickers, schedules, and other promotional material
 - Assisted House Social Chair during event by photographing performers and working as a stage-hand