

Theo Mandelbaum

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Richmond, VA · (804) 296-1068

EDUCATION

James Madison University

2022 - 2026

- B.S. in Computer Science
- Minor in Data Analytics
- Minor in Mathematics
- GPA: 3.6/4.0

RELEVANT EXPERIENCE

- Built a Flask + SQL database-driven web application to import and normalize a large flora and fauna dataset, model relationships with an EER diagram, and support dynamic querying.
- Built and deployed a client-side Spotify design web app using JavaScript, CSS, HTML and the Spotify API, allowing users to see their top artists/albums/songs, and manage Spotify widgets.
- Developed a library management web app using Python/Django to organize books, authors, genres, and languages in a full-stack web development course.
- Contributed as a full-stack developer to the MusicCPR.org research project using Django (Python) and React (JavaScript), helping music teachers collect individual student achievement data.
- Built and deployed TASync, a full-stack scheduling web app with Django, React, and PostgreSQL, enabling teaching assistants to schedule, swap, and view shifts
- Designed systems-level programs in C, including a Unix-style shell, client-server connections, and memory/file I/O at the OS level.

ADDITIONAL EXPERIENCE

Hanover County Parks and Recreation

May 2022 - August 2025

Recreation Aide - Temporary Recreation Supervisor

- Created daily activity plans (including games and art projects) with a team of staff
- Led groups of campers (ages 5-13) on field trips to amusement parks, waterparks and attractions
- Partnered with supervisors to resolve any problems that take place at camp

JMU University Recreation

August 2025 - Present

Member Services Assistant

- Assisted UREC members with services such as check-in, guest passes and equipment checkout
- Maintained a safe and welcoming environment for all participants who entered the facility
- Managed locker contracts and reservations for various UREC facilities

JMU madiSTEM

March 2025

Support Crew

- Ensured safety was maintained among participants throughout the conference.
- Fostered interest in STEM fields and careers through engagement during high-quality hands-on science, technology, engineering and math workshops.

INVOLVEMENTS AND CERTIFICATES

Amazon Web Services - Certified Cloud

Practitioner

AWS Certified Cloud Practitioner - Received
September 7, 2024

Cybersecurity Club

January 2024 - Present

Dean's List

Awarded Dean's List in Fall 2022, Spring 2023 and
Fall 2024

Upsilon Pi Epsilon

Zeta Chapter of Virginia of UPE
Honor Society for the Computing and Information
Disciplines