

Edward Wynman

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WORK EXPERIENCE

Research Assistant, NASA New Jersey Space Grant Consortium – Rutgers University

Sept 2022 – Present

- Investigate the development of data access and processing workflows for hyperspectral images.
- Develop a graphical user interface using PyQt5 for a hyperspectral software application that allows users to access, analyze, and visualize data from various sources, including the USGS database.
- Utilize Python libraries such as Spectral Python and SQLite to create an application access and process data allowing users to efficiently analyze and interpret the data. This application also includes a progress bar that displays the status of file downloads, ensuring smooth and efficient usage.

Software Engineer Intern, ISC Industries

Jun 2022 – Aug 2022

- Utilized Python to develop scripts for data analysis and movement within the company database
- Created Python scripts to automate the transfer of files and directories for new items in the database
- Collaborated with SQL to create queries for storing company data, enabling efficient access and retrieval through Python scripts for customer use.

SKILLS

- **Programming Languages:** Java, HTML5, CSS, PHP, R, Python, C, Bash, SQL, JavaScript
- **Tools & Frameworks:** : Git, GitHub, Bootstrap, React.js, Node.js, jQuery

EDUCATION

Bachelor of Science - BS, Computer Science, Montclair State University

Dec 2023

- GPA: 3.50/4.0

Master of Science - MS, Computer Science, Montclair State University

Dec 2024

PROJECTS

- **Personal Portfolio Website** – Utilized a strong understanding of HTML, CSS, and JavaScript to create a professional and effective personal portfolio. Displays projects, work experience, social links, and contact information. View at: <http://www.meetieddie.tech/>
- **T&J Apparel** – Created a CRUDE online ecommerce website in a group of two using PHP, HTML, CSS, JavaScript, and MySQL. Implemented both User, Seller, and Admin capabilities. Users can browse and purchase products and view past orders. Sellers can view their sales and post products to sell. Admins can search, modify, and delete user records. View Here: <https://github.com/Ewynman/T-JApparel>
- **WorkoutBuddy** - Developed a full-stack application using MongoDB, Express, React, Node.js for user authentication and authorization. This project involved implementing secure password hashing, JSON Web Tokens for user authentication, and protected routes for authorized users. Allows users to create an account to log and track their workouts with date and timestamps. View Here: <https://github.com/Ewynman/Workout-Buddy>

LEADERSHIP EXPERIENCE

Web Developer and Co-Director, HawkHack

Sep 2022 - Present

Computer Club President, Montclair State University

Jun 2022 - Present

- Planned programming events for 150+ members and spearheaded all meetings and tech workshops, including Making Twitter Bots with the Twitter API with Python, Making Pong with Python, How to Develop & Deploy website, and many more.