Edward Wynman

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WORK EXPERIENCE

Research Assistant, NASA New Jersey Space Grant Consortium – Rutgers University   **Sept 2022 – Present**

- Used the USGS API for dataset search and download using Python requests to handle HTTP requests and json to encode and decode data in JSON format.
- Automated the download process for multiple datasets, including handling download options, retrieving direct download URLs, and waiting for data to become available if necessary.
- Enabled browsing of hyperspectral image library, examining spectra of any pixel in the image, assigning pixels to material classes, and performing Principal Component Analysis (PCA) and automatic spectra classification using a spectral angle mapping.

Software Engineer Intern, ISC Industries   **Jun 2022 – Aug 2022**

- Effectively utilized Python to develop and implement efficient scripts for data analysis and movement within the company's database.
- Created and deployed Python scripts to automate the seamless transfer of files and directories, ensuring prompt updates for new items added to the database.
- Collaborated seamlessly with SQL to design and execute multiple queries, enabling smooth storage and easy retrieval of company data through Python scripts, ultimately enhancing customer satisfaction.

SKILLS

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

EDUCATION

Bachelor of Science - BS, Computer Science, Montclair State University   **Dec 2023**

- **GPA**: 3.50/4.0

PROJECTS

- **ShuttleBus –** Developed a CRUDE online shuttle management application, in a group of six, for tracking, scheduling, and viewing campus shuttles on campus using PHP, HTML, CSS, JavaScript, and MySQL. Implemented user, driver, maintenance, and admin functionalities. Users can track the shuttle using Google's Map JS API, drivers can update location, admins can add, delete, and edit users and routes. View Here: https://github.com/Ewynman/shuttlebus
- **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 ad 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-JApprel
- **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   **Jun 2022 - Present**
Computer Club President, Montclair State University   **Jun 2022 - Present**