

Edward Wynman

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WORK EXPERIENCE

ECRT Software Engineer Intern, Zebra Technologies

May 2023 – Present

- Developed python scripts to flag specific TCP packets, seamlessly integrated with the main debugging application, and generated Excel reports.
- Applied machine learning to enhance TCP packet identification in the Pyshark-based script delivering improved accuracy and performance
- Created and deployed Bash scripts to convert python code applications into executables for convenient sharing within the company.

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

Sep 2022 – May 2023

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

EDUCATION

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

Dec 2023

- **Minor:** Data Science
- **GPA:** 3.50/4.0
- **Honors:** Dean's List Spring 2021, Fall 2022

PROJECTS

- **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 Student Director, HawkHack

Jun 2022 - Present

Computer Club President, Montclair State University

Jan 2022 – Present