

Edward Wynman

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WORK EXPERIENCE

ECRT Software Engineer Intern, Zebra Technologies

May 2023 – Aug 2023

- Created a Python GUI app with Pyshark for Android Wi-Fi and voice calling issue debugging. Reduced debug time from 1 hour to 10 minutes. Enabled data sorting, filtering, and Excel report generation.
- Developed efficient Java app using HashMaps to swiftly analyze logs and codebases, pinpointing errors and generating XML reports—slashing debugging time to seconds.
- Created a Python script to parse Bluetooth capture files, translating event hex codes into strings. Automated addition to Frontlines decoder script for seamless deployment to frontline.

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 manage 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.

SKILLS

- **Programming Languages:** Java, Python, HTML5, CSS, JavaScript, C, Kotlin, PHP, SQL, R, Bash, NSIS
- **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
- **Related Coursework:** Java Programming I & II, Python Programming I & II, Software Engineering I & II, Data Structures and Algorithms in Java & Python, Database Systems

PROJECTS

- **MSU Computing Club Website** – Developed a dynamic multipage website utilizing HTML5, CSS, JavaScript, and jQuery to effectively showcase club information, including general details, meeting schedules, and board member profiles. Implemented responsive design to optimize the website's accessibility on various devices through various CSS techniques' View Here: <https://msucomputerclub.netlify.app/>
- **ShuttleBus** – In a team of six, we created a full-stack application using HTML, PHP, JavaScript, CSS, and MySQL. The application allowed students to track the location of their school shuttle in real-time using the Google Maps JavaScript API. It featured user accounts stored in a MySQL database. The application also provided functionality for drivers to update their location and route announcements, while admins could add new drivers and routes. View Here: <https://github.com/Ewynman/shuttlebus>
- **T&J Apparel** - developed an E-commerce website to sell Tom & jerry merchandise using HTML, CSS, PHP, JavaScript, and a MySQL database. Created four user groups where customers can view and buy orders and view all past orders, sellers can post new items to sell for their shop, Employees can add new sellers and users as well as manage products, Admins can manage all products and all users. View Here: <https://github.com/Ewynman/T-JApparel>

LEADERSHIP EXPERIENCE

Web Developer and Student Director, HawkHack

Jun 2022 - Present

- Successfully orchestrated a 24-hour hackathon by leading a cross-functional team. Spearheaded the development of the hackathon's website, overseeing product design, and ensuring seamless functionality. Engaged with educational institutions and industry professionals for participation. Designed visually captivating flyers to promote the event and leveraged social media platforms to maximize event visibility.

Computer Club President, Montclair State University

Jun 2022 - Present

- Planned programming events for 200+ members and spearheaded all meetings and tech workshops, including making Twitter Bots with the Twitter API in python, making pong with python, creating quiz games with JavaScript, how to develop full-stack applications and websites, and many more.