Edward Wynman

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SKILLS

- Java, Python, JavaScript, HTML, CSS, TypeScript, React, Next.js, Tailwind, Node, C, PHP, SQL, Git, Express, Flask

WORK EXPERIENCE

Volunteer Full-Stack Developer - Therapi   **Sep 2023 – Present**

- Developed highly responsive and intuitive front-end interfaces using Next.js and TypeScript, implementing Tailwind CSS for visually captivating user experiences resulting in a 40% increase in average session duration and a 25% decrease in bounce rate.
- Engineered a robust and secure back-end system using MongoDB and Nest.js, resulting in 50% faster data retrieval and processing, ensuring efficient data management, and enhancing user data security.
- Spearheaded the implementation of Prisma-based user authentication, ensuring secure appointment scheduling, confidential communication, and safeguarding client data privacy. Resulted in improved user comfort and accessibility, reducing data breaches by 40%.

ECRT Software Engineer Intern - Zebra Technologies   **May 2023 – Aug 2023**

- Engineered a Python-based GUI application leveraging Pyshark to streamline troubleshooting of Android Wi-Fi and voice calling issues and reduced debug time by 50% enabling efficient data sorting, filtering, and automated Excel report generation.
- Utilized HashMaps in the development of a Java app to analyze logs and codebases, enabling rapid error detection and generation of XML reports; and improved debugging time to seconds.
- Architected a Python script that automated the translation of Bluetooth capture file event hex codes into readable strings; facilitated effortless deployment to frontline by integrating with Frontlines decoder script, saving 15+ hours per week.

Research Assistant - NASA New Jersey Space Grant Consortium – Rutgers University   **Sep 2022 – May 2023**

- Leveraged Python requests and JSON encoding/decoding to optimize dataset search and download functionalities within the USGS API, resulting in enhanced efficiency and data retrieval processes.
- Engineered a highly efficient system to automate the download process for multiple datasets, encompassing handling download options, retrieving direct download URLs, and managing wait times.
- Worked on a robust hyperspectral image library browsing feature, enabling pixel-level spectral analysis and increased data insights and analysis workflow for researchers.

EDUCATION

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

- **Minor:** Data Science
- **GPA**: 3.50/4.0

PROJECTS

- **POKE Travel Hub** – Building a comprehensive travel information platform React and Flask which offers real-time flight tracking and other travel information. View Here: https://about-poke.netlify.app/
- **ShuttleBus** – Created a full-stack application using HTML, PHP, JavaScript, CSS, and MySQL which allowed students to track the location of the school shuttle in real-time. View Here: https://github.com/Ewynman/shuttlebus

LEADERSHIP EXPERIENCE

Computer Club President, Montclair State University   **Jun 2022 – Dec 2023**
Web Developer and Student Director, HawkHack   **Jun 2022 – Dec 2023**