Theresa Foley

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Education

University of Massachusetts Amherst   **Amherst, MA**
Bachelor of Science, Computer Science. (Overall GPA: 3.711)   **Expected Graduation: December 2025**

- **Courses**: Calculus I, Computer Science, Multivariable Calculus, Linear Algebra, Web Programming, Statistics, Computer Systems Principles, Algorithms, Web Programing, Operating Systems.
- **Awards**: Dean's Honors List

Bachelor of Arts, English.

- **Courses**: Early British Literature & Culture, Shakespeare, Creative Writing, ENGL 379 PWTC, ENGL 380 PWTC.

Professional Experience

Cadsparc, LLC | IT Oct 2021 - May 2022 Lowell, Ma

- Employed at a 3d printing company that offers their services to manufacture 3 dimensional printed objects through AR (Augmented Reality) technologies. Gave feedback on the website and customized it by drawing a blueprint of key functions they could add that were then implemented.
- Reviewed the existing website to identify areas for improvement in user experience, navigation, and functionality.
- Created detailed blueprints illustrating proposed key functions and features to be added to the website. This included wireframes or flowcharts to visualize the user journey.
- Worked closely with the development team to communicate your ideas and ensure that the proposed features were feasible and aligned with the company's goals.

Projects

UMass buy and sell - Sept 2023

- Created umassbuyandsell.com using JavaScript, Tailwind CSS, Express, and HTML, providing a dedicated platform for UMass students to buy and sell items.

- Aimed the project at reducing waste and promoting a more collaborative, supportive student community by creating a platform for UMass students to buy and sell items. Gathered feedback from UMass students to understand their needs and preferences regarding buying and selling items. Created a user-friendly interface using Tailwind CSS to enhance the overall experience for users on the platform.

- Utilized Git and GitHub for version control, ensuring efficient collaboration with 3 teammates and maintaining project integrity throughout development.

Fetching and Web APIs - Dec 2023

- Collaborated within a team of three to develop a suite of functions that utilized Web APIs to retrieve data related to geographical coordinates, temperature, and weather information for universities such as UMass Amherst and the University of Michigan.

- Implemented functions using the fetch API to retrieve JSON data from Web APIs, leveraging Promises with `then` and `catch` methods for asynchronous handling. Enhanced code readability and maintainability by incorporating `async` functions.

Web Application - Sept 2024

- Successfully developed a project that utilized HTML for layout, CSS for styling, and JavaScript for client/server functionality.

- Created a single-page web application that incorporated local storage for data persistence. The application featured functionality to perform CRUD operations for manipulating and storing data in a database, as well as the ability to interact with an external API.

Skills

Programming & Other Skills: C, C++, Cascading Style Sheets (CSS), HTML, Java, JavaScript, Microsoft Excel, Microsoft, PowerPoint, Leadership, Problem Solving

Languages: English (fluent), Japanese (basic)