

Joseph Petrillo

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Education

University of Massachusetts Amherst

Sept. 2019 – May 2023

Bachelor of Science in Computer Science **GPA: 3.86**

Amherst, MA

Relevant Coursework: Data Structures, Algorithms, Systems Programming, Operating Systems

Spring 2022 Courses: Software Engineering, Networking, Databases, Reverse Engineering

Achievements: Deans List 3 Semesters, John and Abigail Adams Scholarship

Technical Skills

Languages: JavaScript, Java, C, HTML/CSS

Libraries/Frameworks: React, TailwindCSS

Developer Tools: Git, GitHub, Parcel, Prettier, ESLint, VS-Code, Netlify, Chrome Dev Tools, Eleventy

Projects

React To-Do List | *Javascript, React, TailwindCSS*

- Created modern frontend for to-do list using React and TailwindCSS
- Configured a toolchain from scratch using Parcel, Prettier and ESLint to bundle files, consistently format code and automatically detect problematic code patterns
- Learned to use functional components and fundamental React hooks, including useState and useEffect

ASCII Helper | *Javascript, HTML/CSS*

- Developed website using vanilla Javascript that provides a character to ASCII value conversion interface that is easier and faster to use than a traditional table
- Implemented fundamental DOM manipulation techniques and updated the page automatically when the input given by the user changes
- Designed a mockup in Figma and used responsive CSS practices, including flexbox and rem units, to create a UI that is appealing and seamless for the end user

jpetrillo.com | *Javascript, Eleventy, Nunjucks, Netlify*

- Built a personal website using a static site generator alongside a templating engine and extensive CSS
- Converted old personal site from plain HTML and integrated Eleventy to implement markdown translation and allow for dynamic pages to be generated using Nunjucks templating
- Overhauled pre-existing CSS stylesheet and rewrote it using modern techniques, including flexbox, rem units, custom properties and media queries to ensure responsiveness across all devices

Crypto Prices | *Javascript, React, CSS*

- Gained experience communicating with public APIs using fetch to display the top cryptocurrency prices, sorted by market capitalization
- Worked with an image API that provides the logo of a cryptocurrency given its ticker, resulting in a cleaner and more user friendly interface

Experience

Golf Services Attendant

April 2018 – Present

Pinehills Golf Club

Plymouth, MA

- Develop an atmosphere of professional friendliness and hospitality
- Assist 250-300 golfers daily while ensuring all needs are met in a prompt manner
- Help organize highly acclaimed tournaments by storing and loading golf bags, cleaning equipment and golf carts, and managing tee times to promote efficient play

Ride Attendant

June 2017 – Sept. 2017

Water Wizz Water Park

Wareham, MA

- Trained and managed several new employees
- Enforced rules as necessary to ensure the safety of guests