

# Joseph Petrillo

774-320-0689 | [jpetrillo@umass.edu](mailto:jpetrillo@umass.edu) | [linkedin.com/in/jpetrillo19](https://www.linkedin.com/in/jpetrillo19) | [github.com/joepetrillo](https://github.com/joepetrillo) | [jpetrillo.com](https://jpetrillo.com)

## Education

### University of Massachusetts Amherst

Sept. 2019 – May 2023

*Bachelor of Science in Computer Science* **GPA: 3.876**

*Amherst, MA*

**Relevant Coursework:** Data Structures, Algorithms, Web Programming, Networking, Databases

**Fall 2022 Courses:** Scalable Web Systems, Software Entrepreneurship, Search Engines

**Achievements:** Deans List 4 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, Postman, VS-Code, Netlify, Chrome Dev Tools, Eleventy

## Projects

### Lone Music | *Javascript, HTML/CSS, Express, MongoDB*

- Created a music platform that allows users to post instrumentals and others to reply with their own vocals
- Designed a mockup and used it to develop a responsive UI using modern CSS and Bootstrap
- Refactored REST API written in Express to follow best practices, reducing the overuse of query parameters, using nouns instead of verbs in endpoint paths and nesting resources appropriately
- Led MongoDB setup and implementation, replacing non-persistent data storage used for early prototyping

### 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

## Experience

### Loom

June 2022

*Software Engineer Intern*

*Remote*

- Entire internship program was abruptly cancelled less than two weeks before start date
- Expected tech stack included Javascript, Typescript, React, CSS, NodeJS and Express
- Selected from large pool of candidates to help build next iteration of creation and collaboration tools

### Pinehills Golf Club

April 2018 – August 2021

*Golf Services Attendant*

*Plymouth, MA*

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