

Matthew Torres

Boston, MA • (508)-614-5858 • matttorres2023@gmail.com • <https://bit.ly/mrt-linkedln> • <https://bit.ly/mrt-github>

EDUCATION

Tufts University • Medford, MA

B.S. in Computer Science and Music

GPA 3.81, Summa Cum Laude

Graduated May 2024

Relevant coursework: Algorithms, Data Structures, Web Programming, Intro to Security, Computation Theory, Programming Languages, Machine Structures and Programming, iOS Development, Intro to Computer Science.

SKILLS

Languages: Python, JavaScript, C, C++, Java, HTML5, CSS3, PHP, Swift

Databases: Oracle SQL, MySQL, MongoDB

Frameworks: React, Node.js, Express, Next.js, jQuery

Software Packages: Peoplesoft, Microsoft Suite

Tools: Linux, Visual Studios Code, Git, GitHub, AWS, Postman, Wireshark, Scapy

EXPERIENCE

JumboCode • Medford, MA

Technical Project Lead, KeepMassBeautiful ([Link](#))

September 2023 – May 2024

- Instructed a team of **ten full-stack developers** to utilize standard web development technologies, including React, Next.js, Node.js, and MongoDB, to create an application that allows users to dynamically create, host, and edit their chapter's own public-facing promotional websites, in a **one-year timeline**.
- Wrote tickets, designed infrastructure and tech stack, managed repository, guided UI design, held workshops.
- Developed and tested most challenging application features, including sign-in authentication, photo cropper and upload service, and administrator dashboard. Maintained standards of clear, concise, and efficient code.
- Met monthly with client to assess needs and present project updates. Deployed and delivered final product.

Draper • Cambridge, MA

Enterprise Applications Development Intern

May 2022 – March 2024

- Developed, implemented, tested, documented, and migrated **twelve key features** over two summers to improve financial and human resources applications, used daily by Draper's **2000+ employees**.
- Collaborated with other developers to analyze existing code and debug malfunctioning components.
- Interfaced Draper SaaS systems using SQL, Python, and Java to improve ERP functionality.
- Built a Python process which processes data from handheld scanners, increasing productivity of Asset Management team through automation and reporting, eliminating up to **six hours per week** of manual entry.

Tufts University • Medford, MA

Teaching Assistant, Web Programming

August 2022 – December 2023

- Provided individualized support to an estimated 50 students each semester in office hours, clarified concepts, reinforced HTML, JavaScript, and PHP syntax, and helped troubleshoot code.
 - Graded assignments and provided feedback, ensuring code meets all requirements through rigorous testing.
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PROJECTS

Portfolio ([Link](#))

June 2024

- Designed and constructed a portfolio for software development and musical projects using React and Next.js.
- Curated an interactive user experience with animations, scroll and hover-based features.

Tufts Dining Reimagined

November 2021

- Designed and implemented a working prototype for a new Tufts Dining Website with PHP, MySQL, and CSS.
 - Created a seamless UI for e-commerce, menu display, and nutrition information to drive business success.
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ACTIVITIES

Theater and Jazz Ensemble Music Director, Tufts Protestant Chaplaincy Treasurer, Eagle Scout