Matthew Torres

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EDUCATION

Tufts University • Medford, MA   *Graduated May 2024*

B.S. in Computer Science and Music (GPA 3.81, Summa Cum Laude)

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, C/C++, JavaScript, Java, HTML/CSS, PHP, Swift   **Databases:** Oracle SQL, MySQL, MongoDB

Frameworks: React, Node.js, Express, Next.js, jQuery   **Software Packages:** Peoplesoft, Microsoft Suite

Tools: Visual Studios Code, Git, GitHub, AWS, Postman, Wireshark   **Operating Systems:** Windows, MacOS, Linux

Other: Technical Project Leadership, Project Management, Troubleshooting/Debugging

EXPERIENCE

JumboCode • Medford, MA   *September 2023 – May 2024*
Technical Project Lead

- Instructed a team of **ten full-stack developers** to utilize standard web development technologies, including React, Next.js, Node.js, and MongoDB, to complete a large-scale project for a social-impact organization.
- Selected tech stack, designed application architecture and database schema, and guided UI design process.
- Assigned developers weekly tasks, and maintained standards of clear, concise, and modular code.
- Met monthly with client to assess needs and present project updates. Deployed and delivered final product.

Draper • Cambridge, MA   *May 2022 – March 2024*
Enterprise Applications Development Intern

- 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.
- Increased productivity of Asset Management team members through automation and reporting, eliminating up to **six hours per week** of manual entry**.**

Tufts University • Medford, MA   *August 2022 – December 2023*
Teaching Assistant, Web Programming

- Provided individualized support to an estimated **50 students each semester** in office hours, clarifying concepts, reinforcing HTML, JavaScript, and PHP syntax, and troubleshooting code.
- Graded assignments and provided feedback, ensuring code meets all requirements through rigorous testing.

PROJECTS

Keep Massachusetts Beautiful (Link) • JumboCode   *September 2023 – May 2024*

- A MERN stack web application which standardizes self-promotion efforts among individual chapters of KMB by allowing their leaders to build, host, and customize their own public-facing websites.
- Established a **one-year timeline**, wrote tickets, held workshops, managed repository, designed infrastructure.

PropertyScan • Draper   *July 2023*

- A Python process and PeopleSoft web application which process data from handheld scanners and securely interface with Oracle SQL Databases to track locations of Draper's enterprise and government physical assets.
- In a **two-week timeline**, analyzed existing data infrastructure, designed and implemented solution, coordinated testing efforts, optimized and improved results, and documented usage.

ACTIVITIES

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