

Joseph Martinez

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EDUCATION

Dartmouth College

Hanover, NH

Master of Engineering

Expected Start: Fall 2024

Area of Focus: Computer Engineering

Amherst College

Amherst, MA

Bachelor of Arts

May 2022

Major: Computer Science

GPA: 3.4

EXPERIENCE

WillowTree (formerly Maark)

Boston, MA

Software Engineer

July 2022 - present

- Researched and presented the pros and cons of different libraries to teammates.
- Implemented significant features, such as system outage alerts and new chapter types for presentations, on the Marriott Sales Companion App, a web application engaging over 5,000 users across the globe, using React, Javascript, and Sequelize.

Machine Intelligence Task Force

August 2023 - present

- Promote discussions and use of artificial intelligence at Marketing Service branch.
- Host and coordinate office hours across departments for updates and resource-sharing.

Maark

Boston, MA

Summer Software Engineer Intern

June 2021 – August 2021

- Implemented unit and end-to-end testing to the Marriott Sales Companion App to improve the project's code quality through Cypress and Jest in Javascript.
- Improved REST API used by Marriott Sales Companion App by adding unit testing through Postman, updated authentication from Basic Authentication to API Tokens, and updated the database using Sequelize in Javascript.

Winter Software Engineer Intern

January 2021

- Updated the front end of the Marriott Sales Companion App using React in Javascript.
- Created a script for the Marriott Sales Companion App that goes through JSON files to create an XLSX file of compiled data in Node.js.

Amherst College Computer Science Department

Amherst, MA

Peer Tutoring Fellow

September 2020 – December 2021

- Nominated by the Computer Science Department to individually meet and support students with further understanding of concepts and lab assignments.

Amherst College Computer Science Department

Amherst, MA

Teaching Assistant

August 2020 – December 2020

- Assisted 20 students with debugging and conceptualizing weekly lab assignments.

Amherst College Astronomy Department

Amherst, MA

Research Assistant

June 2020 – December 2020

- Developed user interface using Bootstrap and Flask to empower astronomers to make calculated decisions and save thousands of dollars.
- Presented innovative features improving users' long-term productivity at American Astronomy Society.

LEADERSHIP & ACTIVITIES

Minds Matter Boston

Boston, MA

Junior Summer Programs Manager

September 2023 - present

- Ensure class of 30 students knows what summer programs are available and how to apply, and confirm each student has applied to a program by deadline.

Mentor

November 2022 - present

- Aid high school student in social-emotional skills needed to succeed in college.
- Assist students in developing vital skills like reading, writing, and test prep for college entry.

Video Game Club

Amherst, MA

Vice President

September 2021 – May 2022

- Created and organized an event inviting game developers for career and process insights.

STEM Working Group

Amherst, MA

Member

September 2020 – October 2021

- Researched and wrote a letter with other Computer Science majors to the Amherst College Department of Computer Science, pushing for more diverse and inclusive hiring practices.

La Causa Board Member

Amherst, MA

Activism Chair

September 2018 – May 2019

- Fostered and created relationships with outside organizations related to LatinX topics by inviting guest speakers.
- Organized events to raise awareness and build community among La Causa members and other student organizations.

PROJECTS

Gentrification in Puerto Rico<https://github.com/csmartinez22/PuertoRico>

June 2023 - present

- Compiled 2021 Puerto Rican census data to train semi-supervised algorithm and create model that classifies municipalities by risk of gentrification.