

Joseph Martinez

1245 Water Street, Fitchburg, MA 01420
617-961-2158 | cs.martinez22@outlook.com | [csmartinez22.github.io](https://github.com/csmartinez22)

EDUCATION

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.

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.

PROJECTS

Gentrification in Puerto Rico

<https://github.com/csmartinez22/PuertoRico>

June 2023 - present

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

LEADERSHIP & ACTIVITIES

Minds Matter Boston

Boston, MA

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.

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.