

# Joseph Martinez

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## EDUCATION

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### 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

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### WillowTree (formerly Maark)

Boston, MA

*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.

*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.

### 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

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### 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

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### 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

- Assist students in developing vital skills like reading, writing, and test prep for college entry.