

# Daniel Portela

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## EDUCATION

### Massachusetts Institute of Technology

2022 – 2026

B.S. Double Major in Computer Science & Management Science; GPA 4.8/5.0

Cambridge, MA

- **Selected Courses:** 6.006 Introduction to Algorithms, 6.009 Fundamentals of Programming, 18.06 Linear Algebra, 6.042 Mathematics for Computer Science, 14.01 Principles of Microeconomics, 2.177 Designing Virtual Worlds.

### Colegio San José

2016 – 2022

GPA 4.0/4.0; Awards: U.S. Presidential Scholar Candidate, National AP Scholar with Honors

San Juan, PR

## EXPERIENCE & PROJECTS

### Aura Spaces – MIT Delta V Startup

Oct. 2022 – Aug. 2023

Software Engineer - Intern

Cambridge, MA

- Designed, built and deployed a tool to create 3D websites using React, Three.js & Blender; over 300 websites built
- Scraped, collected and cleaned 3D model data for 6000+ models to train and fine-tune our machine-learning model
- Built a 3D model labeling pipeline for Blender to label 4000+ models using an open-source computer vision model
- Built Blender plugin that allows users to seamlessly deploy 3D models into the web; used by 200+ users on launch

### Mixed Reality Research - MIT Immersion Lab

Jan. 2023 – May. 2023

VR/AR Developer – Undergraduate Researcher

Cambridge, MA

- Developed equipment operation training simulations in VR using Unity reducing training costs by over 60%
- Created AR app to take pictures with a 3D model of MIT's mascot; 300+ users on launch; featured in [MIT News](#)

### HackMIT – 2023

Sep. 2023

Competitor/Developer

Cambridge, MA

- Developed webapp enabling users to upload, visualize & interact with images in 3D carousel format. [ArtJournal+](#)

### National Student Leadership Conference – Data Science

Jul. 2021

Project Manager/Programmer

Atlanta, GA

- Led a team of 10 data consultants to analyze millions of rows of real airline data & present a data-driven cost analysis to mock investors using tools such as RStudio and MySQL

## LEADERSHIP & ACTIVITIES

### Discover Entrepreneurship And Leadership – MIT

Aug. 2023

Co-Organizer

Cambridge, MA

- Secured 8 speakers for the program via cold outreach including Co-Founder of Venmo and Co-Founder of Twitch
- Secured and managed \$1900 budget; coordinated events for the weeklong program for 20 incoming MIT students

### Phi Kappa Theta

Feb. 2023 - Present

Community Service Chair

Cambridge, MA

- Tasked with organizing 45+ members of the fraternity to carry out community service events throughout the year.
- Past/Current Projects: MIT Blood Drive, Clothing Donation, Charity Concerts, Local High-School Tutoring.

### Boy Scouts of America Troop 1817

Aug. 2016 – Aug. 2022

Eagle Scout

San Juan, PR

- Led and mentored groups of scouts ranging from 5 to 30+ of different ages in over 100 meetings and events
- Elected by Scoutmaster for demonstrated leadership skills to serve as Junior Assistant Scoutmaster to 30+ scouts
- Led 20+ scouts of my Troop for a combined 175 hours of work to create an outdoor seating area for elderly home

## SKILLS & INTERESTS

**Technical:** Python, Java, C#, JavaScript, Three.js, React, React 3 Fiber, Unity Engine, Microsoft Office, Git, GitHub, PlasticSCM, HTML, CSS

**Language:** Spanish & English (Fully Bilingual), French (Beginner)

**Interests:** Entrepreneurship, Virtual Reality, Artificial Intelligence, Game Development, Metaverse, Yoga, Meditation, Philosophy