

Carlos Yuniel Nuñez-Sosa

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Education

Massachusetts Institute of Technology, Cambridge, MA

2024 - 2028

B.S. Computation and Cognition – BME & Chemistry Minor (GPA: 5.0/5.0)

Experience

Harvard Medical School Researcher (Mentors: M. Brandon Westover, Arnav Gupta)

2024 - Present

Developing the Pediatric Complete AI Sleep Report (CAISR) model for sleep analysis with PSG.

Universidad Politécnica de Madrid Intern (Mentors: Bryan Strange, Giulia Varotto)

Summer 2025

Developed an intracranial EEG (iEEG) machine learning pipeline to examine the brain.

Boston Medical Center Autism Program Intern

Led development of resources and improvement of care for patients with autism.

Winter 2025

Colorado Painting & Home Improvement

2011 - 2022

Painting, pressure washing, appliance installment, kitchen & bathroom, and more.

Florida Boys State Legislator

Summer 2023

Law, government, and justice intensive; participated in real-time legislative sessions.

Projects

Labyrinth for Researchers | 2025 HackMIT

Software to help researchers, also utilizing built in AI that can recommend new paths.

Filosof.ai | 2025 HackDuke Hackathon

Analytical philosophy journal powered with AI to facilitate personal study of philosophy and self.

Learn to Read Music Program

Developed a learning program in Python to optimize sheet music reading skills for personal use.

Skills

Python, PyTorch, MATLAB (Deep Learning, GoogLeNet), HTML, MNE, SciKit, Scheme, LISP, Linux, Git, fluent in English, Spanish, and a beginner in Mandarin Chinese.

Extracurricular Activities

MIT Latin Music Society Co-Founder

2024 - Present

MIT's first Hispanic music group; Latin-Caribbean (Rio Charles Social Club) and Mariachi.

MIT Society of Hispanic Professional Engineers Representative

2024 - Present

Cultivating Hispanic presence and professional development within engineering.

MIT Resonance a capella

Fall 2024

High musicality co-ed pop and R&B singing group.

Florida Boys State

June 2023

Hands-on government experience through simulated elections, emergencies, and legislation.

JROTC East River High School Battalion Commander

2020 - 2024

Hands-on leadership experience through military philosophy and practice.