

Alyse Graham-Martínez

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Education

Yale University New Haven, CT, Fall 2024-Present

- Intensive Introductory Physics, Quantum Mechanics I (Graduate), Linear Algebra, Partial Differential Equations, Political Theory, Philosophy (Ancient, Medieval, and Early Modern).

The Nueva School San Mateo, CA, Fall 2020-2024

Work Experience

Hoover Institute – Research Assistant 2025

- I researched emerging technologies and their policy implications for the 2026 edition of the Stanford Emerging Technologies Review. I briefed the directors of the Technology Policy Accelerator on the technical details of novel technologies and their political contexts.

SLAC National Accelerator Laboratory — LCLS Intern 2022-2024

- I wrote and implemented code for simulations exploring non-linear optical effects in hollow-core fibers. Specifically simulated second harmonic generation for Ytterbium lasers geared toward experimental design at LCLS-II.

Acterra- Policy Intern 2022

- I worked as a policy intern attending and speaking at local meetings to advocate for specific environmental policies. Specifically, I worked on the EV charging initiative to try and increase access to charging stations for electric cars in multi-family housing in California.

Extracurriculars and Projects

Yale Political Union – Vice President April 2025 – Present

- Help lead the oldest and largest collegiate debate society in the United States
- Invite prominent guests from around the world and organize their travel to Yale

Previously Director of Development December 2024 – April 2025

- Organized 90th Anniversary Celebration with alumni and students and managed the Union's development and charitable gifts
- Gave speeches on topics in politics and philosophy to 250 person body.

Yale Daily News — Opinion Columnist August 2024- Present

- Write bi-weekly columns on education, science, and politics on campus, nationally, and abroad.

Women's Club Soccer Team – Social Chair August 2024- Present

- Attend practices and games.
- Organize team bonding events

Mistral Robotica! — President and Instructor 2022- 2024

- Created a bilingual robotics program for Spanish-speaking 3rd through 5th graders at local elementary school. Raised money, recruited volunteers, and created a curriculum to increase equity in STEM education for Latine youth in the Bay Area.

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Skills & Interests

Languages: Spanish (fluent).

Programming: Python (proficient), Julia (Intermediate), Arduino (Intermediate), C++ (beginner), HTML (proficient).

Technical Skills: Welding (TIG & MIG), manual mills, router, laser cutter, and various power tools.

Programs: Fusion 360, Solidworks, Excel.

Personal Interests: Model Rocketry, Art History, Classics, Gardening, and Soccer