

SANTIAGO VENEGAS HERNANDEZ

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EDUCATION

Dartmouth College , Hanover, NH	June 2027 GPA 3.4/4.0
Bachelor of Arts, Major in Engineering Sciences; Minor in Applied Mathematics	

Relevant Coursework: Design Thinking (Fall 2023), Linear Algebra (Winter 2025), Embedded Systems (Spring 2025), Probability and Statistical Inference (*Winter 2026), Technology Entrepreneurship (*Spring 2026), Mechatronics (*Spring 2026)

High School Instituto Educativo Olinca , Mexico City	June 2023 GPA 9.65/10
Graduated with honors, earning dual certification in the IB and national programs National Finalist, UNAM Science Competition (2022), selected among 200+ schools for innovative recycling/physics project	

RELEVANT EXPERIENCE

Research in Carbon Sequestration , Dartmouth College	March 2024 - present
<i>Research Assistant</i> <ul style="list-style-type: none">Developed with a professor from the Earth Science department producing biochar with our own sustainable pyrolysis method.Teamed up with local farms for testing on crops the char ability for carbon sequestration and optimization of the soil nutrient retainment for a better crop season.Engineered and calibrated instruments to collect baseline data for biochar performance experiments.	

Department of Engineering , Dartmouth College	September 2023 - November 2023
<i>Student Researcher / Course Participant(Design Thinking)</i> <ul style="list-style-type: none">Interview and observed stakeholders to understand challenges related to storage and transport of personal devices.Collaborated with fellow team members to design a product to address the necessity of phone transportation, engineering multiple prototypes and iterations leading to a functional product design.Evaluated market to understand, optimize and execute the advertising strategy most appropriate for the target audience.	

Geopolitical Research , Yucatan Peninsula	April 2022
<i>Research Student</i> <ul style="list-style-type: none">Conducted field research on the Mayan Train project, analyzing its environmental impact for ecological balance.Surveyed local communities to assess public opinion and political perspectives on the potential consequences.	

Aevitas , Mexico City	June 2021 - August 2021
<i>Sales Intern</i> <ul style="list-style-type: none">Prospected new clients and updated the customer database to improve lead generation for the sales and telemarketing team.Achieved a 48% sales conversion rate, nearly double the company average of 25%.	

LEADERSHIP & ADDITIONAL EXPERIENCES	
International Student Experience Office , Dartmouth College	March 2024 - Present

<i>International Student Mentor</i>	
<ul style="list-style-type: none">Organized pre-orientation programs for incoming international students in the Classes of '28 & '29, facilitating a smooth campus transition.Co-founded “Global Garden” with 5 peers, planning and executing events such as an international food fair and cultural exchange activities to promote community engagement among international students.	

F1 in Schools , Mexico City	January 2023 - June 2023
<i>National Finalist</i> <ul style="list-style-type: none">Reached the national competition; awarded Best Team Identity at the regional level.Led cross-functional efforts in car design, prototyping, and manufacturing; team branding and sponsor outreach; financial management and resource allocation	

Asilo Dauverre , Mexico City	August 2020 - June 2023
<i>Volunteer Program Leader</i> <ul style="list-style-type: none">Led a team of 30 student volunteers in organizing bi-monthly activities for elderly residents, including board games, plays, concerts, and social engagement.Mentored a high school junior to sustain and pass on the program, ensuring continuity of volunteer efforts.	

Animadores , Mexico City	August 2020 - June 2023
<i>Trip Coordinator & Leadership Mentor</i> <ul style="list-style-type: none">Designed and executed multi-day experiential programs for younger students, enhancing leadership, teamwork, and peer-to-peer communication skills.Supervised and mentored activities for groups of 80+ students alongside a 5-member organizing team of Olinca High School Students & Alumni, ensuring smooth operations and measurable participant engagement.	

SKILLS AND INTERESTS

Technical Skills: Office 365, Coding (C, MATLAB), CAD (SolidWorks Certified), Laboratory & Research Techniques

Languages: Spanish (native), German (fluent), English (fluent)

Interests: Guitar, music production, visual arts (oil painting & sculpture), culinary arts, languages, soccer, rowing