

Eduardo Snel

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EDUCATION

Northeastern University, College of Engineering

Boston, MA

Candidate for Bachelor of Science Degree in Mechanical Engineering & Physics

May 2029

GPA: 3.6 | Dean's List

Relevant courses: Fluid Mechanics, Thermodynamics, Mechanics of Materials, Statics, Material Science, Advanced Physics Lab, Classical Dynamics, Electricity & Magnetism 1, Modern Physics

Student Organizations: AeroNU, Electric Racing, BAJA

SKILLS

CAD: SolidWorks (CSWA Certificate), Onshape, AutoCAD, XFLR5

Coding: Java (AP Score: 5), Python, C++, MATLAB

Languages: Native Portuguese, Fluent English, Intermediate Level Spanish, Beginner German

Office Software: Proficient in Google Workplace Suite and Microsoft Office

PROJECTS

AerospaceNU – Rocketry

Boston, MA

Member – Avionics & Systems

2025 – Present

- Solely designed and assembled the Electronics Bay (Ebay), integrating avionics for flight computer, altimeters, and deployment charges.
- Performed CG and CP calculations to validate rocket stability and inform final design decisions.
- Led on-site rocket assembly and oversaw systems integration for a flight that reached 2,800 ft and Mach 0.5, with successful recovery.

AerospaceNU – Fixed Wing

Boston, MA

Member – Airframe Designer & Builder

2025 – Present

- Independently designed and built a foam board fixed-wing aircraft from scratch.
- Aircraft completed a successful first flight with no structural failures.

Summer @ Johns Hopkins University

Baltimore, MD

Foundational Mathematics of Artificial Intelligence Course – Student

August 2024

- Built a predictive AI model that forecasted basketball tournament outcomes with ~80% accuracy using team performance data.

WORK EXPERIENCE

EloGroup

Rio de Janeiro, Brazil

Internship - Junior Consultant

June 2024 – August 2024

- Researched and presented technological solutions to improve Employee Experience (EX) in the mining sector, shaping recommendations for client strategy.
- Collaborated weekly with Vale S.A. (Brazilian mining company) to analyze exit interview data from on-site operations employees, identifying attrition trends and proposing retention solutions for ongoing EX initiatives.
- Conducted a 10-year ESG ranking comparison between the client and competitors; identified key performance shifts and explained their strategic implications.

LEADERSHIP EXPERIENCE

BRASA at Palo Alto High School

Palo Alto, CA

Club – Founder and President

August 2024 – June 2025

- Founded the first Brazilian Student Association at my public high school, growing membership to 20 students.
- Established a leadership succession plan by organizing the club's first presidential election upon graduation.
- Led the planning and execution of cultural events to promote Brazilian heritage within the local community.

INTERESTS

Playing Piano, Drums, Soccer, Volleyball, Flight Simulators, Djing