

VALENTINO CATTANEO

CPT/OPT Work Authorization | +1 (561) 866-6924 | vcattane@purdue.edu | [linkedin.com/in/valentino-cattaneo](https://www.linkedin.com/in/valentino-cattaneo)

EDUCATION

Purdue University, College of Engineering

First-Year Engineering, GPA 4.0

Intended Major: Mechanical Engineering

Clubs: Purdue Space Programs, GoAero Purdue, Society of Hispanic Professional Engineers

West Lafayette, IN

Expected Graduation Date: May 2028

Northlands School

International Baccalaureate Diploma, GPA 9/10

IB Diploma 36/45, Ranked 1/55 in Class. SAT 1540.

Buenos Aires, Argentina

Graduation Date: December 2024

PROFESSIONAL EXPERIENCE

Northlands School

Mathematical Olympiads Tutor, part-time

Buenos Aires, Argentina

March 2024 – July 2024

- Taught Mathematical Olympiad problem-solving and logical reasoning skills to Olympics of ages 15 – 18.
- Led a group of 6 students to master underlying dynamics of common problems in Olympiad exams.
- Explained principles and theory of Combinatorics and Geometry to be utilized in competitions.
- Structured effective lesson plans, utilizing extemporaneous speaking and team management skills.

Lucila Sorzana – Psychologist

Psychologist Assistant, part-time

Remote, Argentina

March 2024, July 2024

- Organized and modified psychologist's agenda of +50 patients ensuring timely appointment coordination.
- Calculated monthly finances using Excel, optimizing payment process and increasing efficiency.
- Communicated with clients to coordinate appointments, receive session payments and address inquiries.
- Registered and processed session payments, maintaining accurate and complete financial records.

LEADERSHIP AND INVOLVEMENT

Northlands School

Head Boy

Buenos Aires, Argentina

February 2023 – December 2023

- Supervised all student-related activities and organizations: Peer-Guidance-Program, Secondary School Newspaper, Drama Festival and holiday-related student activities.
- Dealt daily with administration to secure spaces, time and resources for said projects and activities.
- Developed problem-solving, adaptability and motivational skills related to building and leading teams.
- Led school-wide assemblies and delivered speeches to students, faculty, and parents.

National Commission of Space Activities (CONAE)

CANSAT Chief Engineer

Buenos Aires, Argentina

March 2022 – November 2022

- Founded Northlands' first National CANSAT (satellite design) Competition team.
- Managed a team of 5, overseeing work allocation, schedules, deadlines and interconnection between areas.
- Designed secondary mission of the satellite- utilized measurements from accelerometer and barometer to determine its position in real time with Excel Data Streamer.
- Designed satellite's deployable parachute system on an octagonal flat model with given drag coefficients.
- Controlled financial (200 USD) and mass budgets (300g) through design process.

AWARDS, SKILLS, INTERESTS AND CERTIFICATIONS

Awards:

- Honoric Mention in Regional Stage of the Argentinian Mathematical Olympiad (OMA). August 2023
- Honoric Mention in selective test for the International Mathematical Olympiad (IMO). May 2022
- National High-School Model UN (NHSMUN) Merit for Research and Preparation. March 2021

Technical Skills: MATLAB, HTML & CSS

Interests: Golf - handicap 2, represented Argentina in Optimist International Championship July 2021 & July 2019

Certifications: MATLAB & Simulink Onramps (MathWorks), Introduction to Engineering Mechanics (Georgia Tech)

Languages: Spanish – native, English – bilingual