Valentino Cattaneo

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Education

Purdue University   West Lafayette, IN
First-Year Engineering, Freshman. GPA: 4.0   Graduation Date: 05/10/28

Northlands School   Buenos Aires, Argentina
Secondary School. IB Diploma 36/45, highest in class. GPA 9/10. SAT 1540.   Graduation Date: 12/01/23

Experience

National Commission for Space Activities (CONAE)   **Buenos Aires, Argentina**
CanSat Chief Engineer   **March 2022 – November 2022**
- Founded Northlands' first National CanSat Competition team, NorLatSat.
- Built team of 5 and managed work allocation, agendas and interconnection between different design areas. Developed leadership, team-management and soft skills.
- Designed secondary mission of the satellite- recorded and utilized measurements from accelerometer and barometer to determine its position in real time.
- Designed and developed the satellite's deployable parachute system.
- Managed economic and mass budgets through the design process.

Leadership & Activities

Northlands School   **Buenos Aires, Argentina**
Head Boy   **February 2023 – December 2023**
- Managed all student-related activities and organizations- Peer-Guidance-Program aiding Y7 students in their transition to secondary, Secondary School Newspaper, and holiday activities (student's & teacher's day, breast cancer awareness, etc.).
- Developed problem-solving, adaptability and motivational skills related to building and managing different teams of different people.
- Led school assemblies and gave speeches to students, teachers, and parents from my class to all of Northlands.

Argentinian Math Olympiads (OMA)
Olympic   **March 2019 – March 2024**
- Competed in the Argentinian Math Olympiads, Iranian Geometry and Combinatorics Olympiads and International Mathematical Tournament of Towns (Russia).
- Passed Nationals (4th OMA phase) thrice, received Honorific Mentions in the selective test for the International Math Olympiad (IMO) and in Regional (3rd OMA phase).
- Developed deep problem-solving and abstract thinking skills, as consequence of requiring a deep understanding and underlying mechanics and logic of each different problem.

Skills

Soft: Leadership, problem-solving, adaptability, abstract thinking, motivational, time management.
Technical: Excel, HTML & CSS.
Certifications: MATLAB & Simulink Onramp, Introduction to Engineering Mechanics by Georgia Tech.
Language: Spanish – native, English – bilingual, French – basic (A2 level).