

# Santino Clemente

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## Education

### Vanderbilt University, Nashville, TN

May 2025

Bachelor of Engineering, Mechanical Engineering  
Minor: Digital Fabrication

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## Professional Experience

### Diego Bruera Racing Team | Santa Fe, Argentina

May 2024 – Aug 2024

*Race Engineer Intern*

- Contributed to technical upgrades and car maintenance for car #8 in Midgets Show and Power competition, ensuring peak vehicle performance and reliability across race weekends.
- Assisted in the setup of the car for each race, making real-time adjustments based on track conditions and driver feedback in a fast-paced, competitive environment.
- Achieved a 2nd place finish on June 30th and helped the team secure 4th place out of 60 in the Drivers' Championship standings after eight races.

### Vanderbilt Campus Dining | Nashville, TN

Nov. 2021 – Present

*Student Dining Worker*

- Prepare and serve food and beverages to student-athletes, coaches, and staff.
  - Maintain cleanliness and sanitation of dining areas, utensils, and storage facilities according to health and safety standards.
  - Assist with inventory, stocking, cashiering, and other tasks as assigned by head chef and supervisor.
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## Leadership Experience

### Vanderbilt Aerospace Design Laboratory (VADL)

June 2024 – Present

*Senior Vehicle Engineer*

- Design high-powered rocket and lander system for competition in NASA's Student Launch Competition.
- Collaborate with a multidisciplinary team to integrate critical subsystems, including propulsion, recovery, and payload deployment systems.
- Conduct aerodynamic analysis and performance simulations to optimize vehicle stability, thrust-to-weight ratios, and overall flight dynamics, ensuring the rocket meets target parameters and mission requirements set by NASA.

### Vanderbilt University Motorsports

Aug 2023 – Present

*Mechanical Engineer*

- Partake in the design and development of a competitive Formula SAE car.
  - Lead re-design of engine air intake system as part of Senior Design project for year 2024-2025.
  - Worked alongside Red Bull Racing engineers during "Red Bull Showrun Nashville" event in Oct. 2023.
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## Awards

### Argentine Math Olympiads (OMA)

- National Champion, Olimpiada Matemática Ñandú, 2015.
  - Gold Medalist, Olimpiada Matemática Rioplatense, 2015. (South American stage)
  - 3x Silver Medalist, Olimpiada Iberoamericana de Mayo, 2015-2017. (Iberian-American stage)
  - Bronze Medalist, Olimpiada Matemática Rioplatense, 2017; Olimpiada Iberoamericana de Mayo, 2018.
  - Honorable Mention (5x), Olimpiada del Cono Sur, 2018; Olimpiada Matemática Argentina, 2016-2020.
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## Relevant Skills

- Computer-Aided Design (SolidWorks, Fusion 360)
- MATLAB
- Fluid Mechanics
- 3D Printing/Laser Cutting
- Microsoft Office
- Aerospace Propulsion
- Technical Writing
- Creative Problem Solving

## Languages

- Spanish (native), English (fluent), Italian (fluent), Portuguese (intermediate), French (intermediate)