Reynel Villa Anderson

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Mechanical Engineering junior at NC State focused on biomedical and aerospace applications, with experience in CAD modeling, programming, mechanical design, and data analysis.

Education

North Carolina State University | Raleigh, NC **Aug 2024 - Present**

B.S. in Mechanical Engineering, minor in Philosophy GPA:3.76

Relevant Coursework

- Structure / Properties of Engineering Materials
- Foundations of Graphics (CAD)
- Engineering Statics / Dynamics
- Thermal-Fluid Sciences
- Solid Mechanics
- Probability and Statistics for Engineers

Skills/Certifications

- Certified SOLIDWORKS Associate (CSWA)
- Python, Java, Linux, SQL, MATLAB, Tableau
- Fluent in English, Spanish, and ESL
- Adobe Photoshop, Microsoft Word/Excel/Powerpoint

Community Involvement

The Caldwell Fellows | Member **February 2025 - Present**

- Chosen for NC State's premier leadership development program.
- Completed 200+ hours of servant-leadership training and interdisciplinary collaboration.
- Designed community-focused initiatives addressing diverse needs.

NCSU Helping Hands Project | Member **January 2025 - May 2025**

- Collaborated to design custom digits for 3D-printed prosthetic hands.
- Tailored designs to meet the needs of children with upper limb differences.

NCSU SolarPack | Member **October 2025 - February 2026**

- Refined 3D CAD models of lightweight car chassis components.
- Collaborated with the structures team to translate CAD designs into fabricated chassis components