

ANDRES SALAZAR
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Summary

Self-motivated Mechanical and Aerospace Engineering student, eager to contribute and gain knowledge in an internship role. Proficient in SolidWorks/Fusion 360 modeling, Java, and MATLAB programming, and holds fluency in Spanish. Quick learner with a high work ethic and a willingness to work in both individual or team settings.

Education

Expected in 05/2025 **University of Florida** **Gainesville, FL**

Bachelor of Science in Aerospace Engineering

Bachelor of Science in Mechanical Engineering

GPA: 3.67/4.0 SAT: 1560/1600

Involvement: UF Swamp Launch Rocket Team, Secretary for the American Society of Mechanical Engineers, Society of Professional Hispanic Engineers, Sigma Alpha Epsilon Fraternity

Relevant Coursework: Thermodynamics, Mechanics of Materials, Materials, Dynamics, MATLAB, Computer-Aided Graphics and Design, Design and Manufacturing Lab, Introduction to Aerospace, Differential Equations for Engineers and Physical Scientists, Astrodynamics, Mechanical Design, Control of Engineering Systems

Projects

- Personal design and assembly of a fully functional toothpick dispenser in SolidWorks
- Manufactured parts of a piston air engine using a lathe and mill along with working with sheet metal
- Plotted the steady-state distribution of temperature on a heated plate using MATLAB
- Built a circuit that operated a servo motor based on data from a potentiometer and heat sensor
- Designed and proposed a full concept report for a motorized wheelchair

07/2023 **IE University** **Madrid, Spain**

Graduate Summer Program, International Finances

Experience

Research Assistant **02/2024 – Present**

Dr. Jack Judy Research Lab – Gainesville, FL

- Contributing to research towards developing a high-channel density implantable connector aimed at treating neurological diseases.

Internal Sales Associate **01/2022 – Present**

Safe Industrial Supply – Orlando, FL

- Quoted mechanical and pneumatic machinery parts
- Found in-demand parts and processed orders based on technical specifications

Secretary **08/2023 – Present**

American Society of Mechanical Engineers (UF Section) – Gainesville, FL

- Responsible for the composition and delivery of emails to all members, as well as taking part in event planning and new member recruitment
 - Expanded mailing list by 15% in first semester as secretary, as well as contributed to the planning and production of new events which have increased member attendance and participation.
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Skills

- **Software:** Java, MATLAB, Autodesk Fusion 360, Autodesk Inventor, SolidWorks, Microsoft Office, Onshape
- **Manufacturing:** Lathe and mill trained; Experience with bandsaw and working with sheet metal.
- **Communication:** Public Speaking, Conflict Resolution, Technical Writing, Spanish native fluency