

Aiden S. Pianalto

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Mechanical Engineering Student | Internship Experience in Manufacturing | Interested in Internships

Education:

Bachelor of Science, Mechanical Engineering

May 2030

Rose-Hulman Institute of Technology – Terre Haute, IN

Relevant Courses: Calculus 3, Statics and Mechanicals of Materials, Graphical Communication, and Physics 1

High School

May 2026

Martin Luther King High School – Riverside, CA

GPA: ~ 3.80

Magna Cum Laude with Highest Honors

Skills:

Software: SolidWorks, Microsoft Excel, Microsoft Word, Keyence Measurement Systems, IM-HIT Data Transfer.

Technical: First Article Inspections, Optical Comparator Programming and Operation, Process improvement, Data Analysis, Technical Documentation, Process implementation.

Internships:

PlasCor – Riverside, CA

June 2026 – August 2026

Manufacturing Operations Intern

- Implemented an automated measurement-transfer system that populated digital quality templates, reducing roughly 80% of manual work and reducing completion time by approximately 60%.
- Developed a new production report system with automated summaries and data analysis, protected regions, and built in calculators for run finish and label run out.
- Developed and standardized 15+ job descriptions, organizational documentation, SOPs, and visual training materials across production, quality, maintenance, shipping, and administrative operations.
- Developed a new setup inspection process using automated measurement data transfer to track setup technician performance, identify areas requiring improvement, and analyze recurring bottle and mold issues across production.

University of California, Riverside, Lin Lab – Riverside, CA

March 2023 – January 2025

Research Assistant

- Performed laboratory experiments such as electron paramagnetic resonance (EPR) spectroscopy, liquid chromatography-mass spectrometry (LC-MS), and controlled chamber experiments.
- Coauthored publication published in the American Chemical Society's Journal Environmental Science and Technology.

Project Experience:

Eagle Scout Project

November 2023 – November 2024

- Raised \$35,000+ and led approximately 900 volunteer hours to design and install signage at the March Field Air Museum in Riverside, CA.
- Managed fundraising, budgeting, design, purchasing, logistics, suppliers, scheduling, and volunteer teams.
- Awarded Eagle Scout Service Project of the Year in the Inland Empire.

Leadership and Volunteer Experience:

Scouting America – National Youth Council Member

October 2024 – May 2025

- Spoke at National Executive Board meeting in Dallas, TX about youth experiences and improvement suggestions.
- Represented youth perspectives and contributed to national initiatives.

Scouting America – Assistant Scoutmaster

October 2025 – August 2026

- Volunteered as an adult leader focusing on the advancement of at-risk youth.
- Supported youth leadership by volunteering at and leading trainings.