

Victor Alejandro Paez

E: paez.a.victor@gmail.com | T: +1 (818) 858-4117

W: <https://paezvictor.com/>

PROFESSIONAL SKILLS AND INTERESTS

- Leadership
- Writing and Verbal Communication
- Computer Aided Design (CAD)
- Analytical
- Teamwork
- Time Management

EDUCATION AND PROGRAMS

Bachelor of Science in Mechanical Engineering California State University Northridge (2016-2021)

Graduation Date: May 2021

- Major GPA: 3.85/4.00
- Dean's List since Start in 2016
- LabView (Novice)
- MATLAB Onramp Training Course Completed (Novice)
- SolidWorks w/ Simulation (Intermediate)
- Autodesk Fusion 360 w/ CAM (Novice)

SAE Aero Design Competition:

(June 2020 - May 2021)

• **Structures Team Lead** - Led team with 10 members throughout the Aerodynamics Senior Design project, tasked on building a Remote Control (RC) Cargo Plane for the SAE Aero Design Competition 2020-2021. Oversaw organizing team collaboration through remote and in person meetings, managing schedules and deadlines, assigning tasks to meet competition requirements, researching structural concepts, using Solidworks to create 3D CAD Models, performing FEA through SolidWorks Simulation, and writing and presenting our projects CDR and PDR for competition

• **Wing Sub-Team Lead** - Led team with 5 members, tasked with building and stress testing the wing components for the SAE Aero Design Competition. Organized team collaboration, managed schedules, created the wing design using SolidWorks and Autodesk Fusion 360, performed FEA to determine failure loads for safety of the aircraft, assisted with CFD to determine lift and drag of the wing, manufactured and assembled the model to be compatible with the rest of the assembly.

Machine Shop Workshop:

(July 2019)

- Completed Machine Shop Workshop learning safety procedure, applying engineering concepts and utilizing a variety of machines such as Mills, Lathes, Band Saws, and Drill Presses
- Hands on experience operating machines safely and learning general use cases for each machine to create different parts of an assembly

Machine Shop Club Member:

(2019-2021)

- Hands-on experiences working with standard machines such as Mills, Lathes, Band Saws, and Drill Presses

Relevant Classes Geometric, Dimensioning, & Tolerancing (ME 434), Computer Aided Design with Simulation (ME 386), Engineering Materials (MSE 227), Machine Design (ME 330), System Dynamics (ME 384), Kinematics of Mechanisms (ME 415), Hydraulics (ME 493), Vibration Analysis (AM 410), Strength of Materials (CE 340)

PROFESSIONAL SKILLS DEMONSTRATED

Dermalactives:

Machinery Mechanic

(May 2021 – January 2022)

- Troubleshoot and repaired warehouse machinery by identifying root causes of failures (e.g., conveyor stoppages, motor issues), reducing downtime and keeping operations running smoothly
- Performed regular inspections and developed preventative maintenance routines, helping extend equipment lifespan and reduce unexpected breakdowns

- Operate and maintain variety of production and warehouse machinery to keep up with production demands and inventory management
- Increased machine availability and operational efficiency by coordinating maintenance activities and training employees on newly acquired equipment

Warehouse Manager

(January 2022 – January 2024)

- Built and maintained inventory tracking systems using Excel, Google Sheets, and QuickBooks, improving accuracy and making it easier for the team to locate and manage materials
- Automated repetitive data entry and reporting tasks using Google Apps Script, saving time and reducing manual errors in daily operations
- Reviewed inventory levels and production data (SKUs, weekly output, demand trends) to improve workflow, organize material flow, and make better use of warehouse space
- Created clear, standardized processes for daily operations, helping teams stay aligned and improving overall efficiency on the production floor
- Worked closely with multiple departments (production, purchasing, logistics) to coordinate inventory and project timelines, reducing delays and avoiding production downtime

Manufacturing Operations Manager

(January 2024 – Present)

- Supervised all warehouse production processes and projects to ensure deadlines were met while fulfilling customer and client requirements
- Coordinated daily operational priorities across departments to meet customer and client demands while maintaining efficient manufacturing operations
- Provided training and mentorship to new hires on machine operation, safety procedures, and production standards
- Maintained efficient workflows and operational processes to support inventory management while successfully integrating large-scale projects into production

OTHER RELEVANT INFORMATION

Other Languages: Spanish (Bilingual, Intermediate)

Computer Skills: Excel and VBA (Intermediate), Word/PowerPoint (Intermediate), Sheets/Docs (Intermediate)

Accolades:

• **CSUNPosium** - Attended the CSUN showcase and presented on the structure analysis of an airplane wing from our senior design project, including Solidwork CAD models and FEA results (April 2021)

• **SAE Aero West Presentation** - Presented and received 4th place in the SAE Aero Design Competition for 2021 (April 2021)