AIAA
San Jose State University Chapter

SAN JOSÉ STATE UNIVERSITY

AIAA CORPORATE PARTNERSHIP PACKET

2025-2026

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San Jose State University Chapter

TABLE OF CONTENTS

AIAA
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WELCOME LETTER

We're excited to share the AIAA SJSU Sponsorship Packet for 25-26! As the leading aerospace student organization at San Jose State, we’re all about hands-on engineering, professional growth, and pushing innovation forward.

Your support allows us to host industry events, fund student projects, and compete in national stages. By sponsoring SJSU AIAA, you'll be able to connect with the next generation of aerospace professionals and show your commitment to the future of the industry.

Thank you for your time! We’d love the chance to work together! Check out this packet for more details on our chapter, initiatives, and sponsorship opportunities.

Sincerely,
SJSU AIAA Team

ABOUT SJSU AIAA

The American Institute of Aeronautics and Astronautics (AIAA) is the world's largest aerospace professional society. At SJSU, our chapter brings this mission to life by empowering students through hands-on engineering projects, direct industry engagement, and national competitions, developing the next generation of aerospace professionals ready to contribute from day one.

Every engineer starts with a spark. At SJSU AIAA, we guide students from that first spark of passion to tangible engineering results and career success.

PASSION:
Driving Curiosity into Action

Meeting AIAA Alumni at Blue Origin, 2024 Seattle Winter Trip

Through exclusive company tours, alumni panels, speaker events, and Winter Industry Trip, members interact directly with engineers from companies like NASA, Blue Origin, Lockheed Martin, and more. These experiences turn career curiosity into focused ambition.

SKILLSET:
Building Real Engineers

Student built aircraft, 2025 DBF Competition

We don't just learn aerospace, we build it. Our teams design, fabricate, and test real systems: high power rockets, custom aircraft, propulsion systems, satellites, and much more. Students gain proficiency in CAD, FEA/CFD, system integration, and machining while developing team and project management skills.

RESULTS:
From Flightline to Industry

DBF 2025 V4 Plane:
Our projects not only fly, they deliver results.

Our alumni thrive in leading aerospace companies, from NASA and Lockheed to startups. Through mentoring, student led teams, and professional development programs, members graduate with more than just knowledge, they leave with experience, leadership, and a proven track record.

Our Impact

- ✓ 138 active members with an 80% retention rate
- ✓ 30+ industry partners & 100+ alumni in aerospace
- ✓ 10+ industry tours per year
- ✓ 4 professional workshops on resume building
- ✓ 3 clubs & 10+ technical projects
- ✓ Annual week long winter trip to explore aerospace hubs across the U.S.

Members testing rockets for L1/L2 Certifications

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DESIGN BUILD FLY (DBF)

The DBF team designs, builds, and flies high performance electric RC aircraft to meet complex mission challenges set by the international AIAA DBF competition. From airfoil selection to flight testing, our members gain hands on experience in every phase of the engineering process, developing the technical skills and leadership mindset that industry demands.

2025 DBF Competition Recap – Tucson, AZ

- Fastest aircraft in the competition
- Flew the most laps out of any team
- Placed 33rd place out of 112 teams
- Lightweight wing designed for high payload capacity
- Modular payload system for mission flexibility
- Iterative build cycle with 4 planes and 60+ test flights

DBF V4 Plane takes over the skies

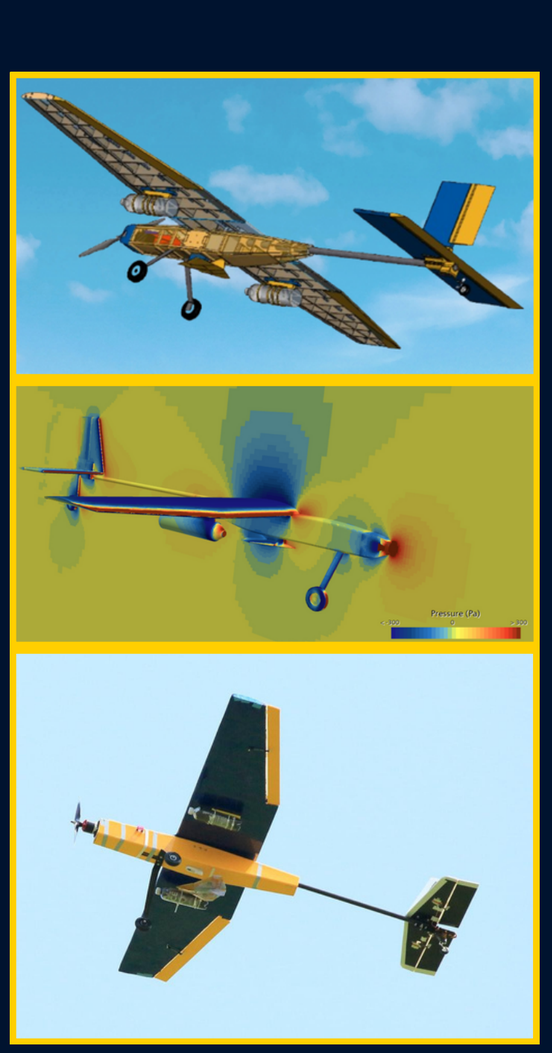
DBF 2012 (left) and 2016 (right) with the 1st place planes

Legacy and Growth

Our DBF team has a long tradition of excellence, winning the international competition in 2012 and 2016, and continuing to grow in both scale and capability.

How DBF Builds Engineers

- Aerospace design: CAD, CFD, airfoil selection, weight optimization
- Simulation & analysis: SolidWorks, Ansys, StarCCM+, XFLR5, MATLAB
- Fabrication: laser cut wood wings, carbon fiber layups, 3D printing
- Flight operations: checklist protocols, telemetry, test flights
- Systems integration: aerodynamics, propulsion, electronics, mechanical
- Project management: Gantt timelines, design reviews, supplier sourcing

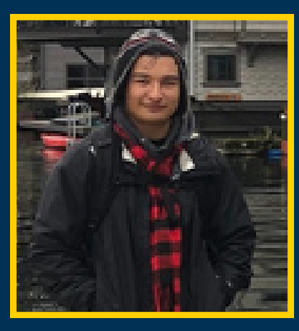


CAD (Top), CFD (Middle), and Manufactured (Bottom) versions of the DBF 2025 competition plane

Meet the 2025 DBF Leadership Team

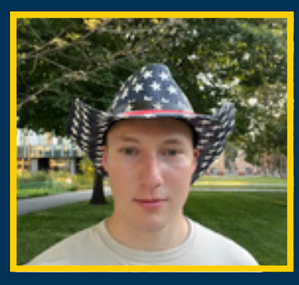
Chief Engineer: Miguel Yanez
A first year aerospace engineering graduate student, Miguel led the end to end development of the DBF 2025 aircrafts, overseeing system architecture, propulsion integration, and flight performance. Under his technical leadership, the team delivered its fastest and most capable aircraft to date.

Project Manager: Rafael Lopez
Rafael led the team through an ambitious design build test campaign, overseeing timelines, technical reviews, and full system flight readiness. His leadership was instrumental in the planes being on schedule, mission ready, and competition proven.



Aerodynamics Lead: Antonio La Manna
Antonio brought industry experience from his role at Alef Aeronautics. At DBF, he designed and validated the aircraft's airfoil, control surfaces, and stability profile, balancing maneuverability and efficiency across mission flights. He aims to become a race engineer in professional motorsport.

Structures Lead: Hayden Schaufel
Hayden led precision airframe fabrication and assembly for the DBF aircrafts. With hands on experience building a kit plane and an L1 rocketry certification, he aims to pursue a defense focused career advancing aerospace systems.



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ROCKET CLUB

Rocket Club equips students with the tools and mentorship to earn their Tripoli L1 and L2 high power rocketry certifications. Through guided launches and hands on fabrication, students learn the fundamentals of flight, propulsion, and recovery systems. Over 100 members have earned their certifications with the club's support.

Student built rockets being launched for L1/L2 Certifications

Rocket Club also leads the Spaceport Team, which competes at the Spaceport America Cup, the world's largest collegiate rocketry competition. Students design, build, and launch a custom L3-class rocket equipped with scientific payloads. Through this project, members gain experience in high-power propulsion, recovery systems, avionics, and mission execution under pressure.

2025 Spaceport Competition Recap – Midland, TX

- Reached apogee of 10,024 ft
- Deployed scientific payload at 1,000 ft
- Equipped with 360° camera & onboard sensors
- 30+ test hours, rapid manufacturing

Spaceport 2025 Team at Competition (Top and Left)

Spaceport 2024 Rapid Manufacturing

Meet the 2025 Rocket Club Leadership Team

President: Thomas Wong
Thomas is an aerospace engineering student with an L1 certification. As Rocket Club president, he designed a 3D-printable rocket kit balancing performance and affordability, inspired by a lifelong passion for space and science fiction.

Vice President: Rae Chauvaux
Rae has Tripoli L1 and L2 certifications, currently pursuing L3. They've contributed to high-powered rocketry projects, including a 100,000-ft payload and a Spaceport Competition vehicle.

Treasurer: Aashna Gajaria
Aashna specialized in rocket design and CAD modeling as a senior aerospace engineering student. She currently interns at Lockheed Martin and will begin her master's in aerospace engineering at UIUC this fall.

Secretary: Dev Dhruv
Dev is a graduate aerospace engineering student passionate about rocketry and sustainability. He contributes to the Spaceport team and is currently pursuing his L1 certification.

How Rocket Club Builds Engineers

- Hands on training in aerodynamics, structural design, propulsion, flight simulations, and trajectory analysis
- Fabrication experience: composite tubes, electronics bays, and recovery systems
- Team based troubleshooting in high stress field conditions

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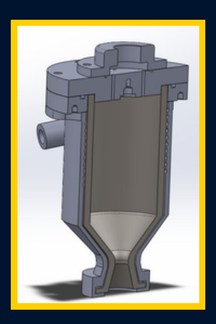
PROPULSION CLUB

Propulsion Club gives students the opportunity to turn classroom theory into real engineering by leading high impact propulsion projects. From fluid dynamics to thermodynamics, members apply aerospace fundamentals to design, test, and refine real-world aircraft and spacecraft propulsion systems.

2025 Propulsion Team

The flagship project, the Liquid Rocket Engine Project (LREP), is a student designed and built pressure fed bipropellant rocket engine. It runs on high octane gasoline and gaseous oxygen, and is built to explore full cycle propulsion system development.



CAD (left) and manufactured (middle) LREP Jacket
Manufactured internal LREP assembly (right)

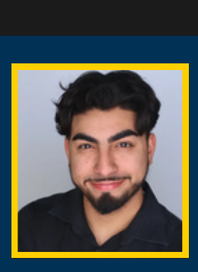
LREP Specs:

- Thrust: 125 lbf
- Chamber Pressure: 300 psi
- Burn Time: 15 seconds

How Propulsion Club Builds Engineers:

- Design reviews and documentation
- Subsystem ownership
- Team leadership in a collaborative, deadline-driven environment

Meet the 2025 Propulsion Club Leadership Team



President: Aaron Villanueva
Aaron is a senior year aerospace engineering student. He leads team coordination and aims to develop experimental propulsion systems for faster Earth–Mars travel.

LREP Project Manager: Jack Liu
Jack is a senior aerospace engineering student leading LREP's development of a pressure-fed liquid rocket engine, with a focus on fluid system design and thermal mapping.

NASA JPL Univ Crowdsourcing Initiative

In collaboration with NASA JPL, SJSU AIAA students are developing a solar sail spacecraft targeting a fuel free Mars flyby. The team leads design, simulation, and mission planning and engineers the sail structure, deployment system, and trajectory using Ansys STK, FEA, and CAD. The project supports NASA's deep space exploration goals and trains students in next gen spacecraft design and mission engineering.

2024 JUCI Team visiting JPL

2025 Team at the AIAA Conference

2024-25 Highlights:

- Preparing for flight readiness for launch by 2029
- Published and presented at the AIAA Regional Conference
- Fully student designed structure, deployment, and trajectory systems

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San Jose State University Chapter

WHY SPONSOR US?

Supporting SJSU AIAA offers direct access to the next generation of aerospace engineers and leaders. Your support helps fund essential materials, tools, and competition fees, ensuring students gain hands-on experience with real-world aerospace applications. In return, sponsors receive brand exposure through Instagram shoutouts, logo placements on our planes and models, and features on our website. Additionally, we showcase sponsor merchandise at events, highlight sponsors on team resumes, and distribute branded gift baskets to key stakeholders. By investing in our club, your company plays a vital role in shaping the future of aerospace innovation while gaining valuable visibility and networking opportunities.

Your Benefits:

Logo Slots on Planes & Rocket Models

Your company logo will be prominently displayed on our planes and models, showcasing your brand to a wide network of aerospace professionals and enthusiasts.

Company Merchandise Showcasing

We proudly feature sponsor merchandise at events, meetings, and competitions, providing visibility for your brand among our team and the larger community.

Website Shoutouts

Your company will be featured on our website, providing direct online visibility to all visitors, including potential future clients and collaborators.

Team Resumes

Sponsors will be listed on our team members' resumes, providing valuable recognition for their professional development and your brand's association with future aerospace leaders.

Instagram Shoutouts

Gain exposure through our Instagram shoutouts, where we highlight our sponsors' support and their contributions to our mission, reaching a dedicated and engaged student audience.

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SPONSORSHIP PACKAGES

Cosmic Director – $10,000+

- Title Sponsor: Premium branding on all major club projects and events
- Premium Event Sponsor: Sponsorship recognition at up to 5 general AIAA events
- Prominent logo placement on high-visibility aerospace projects
- VIP access to project showcases and testing demonstrations
- Benefits of Starship Pilot , Orbital Associate, and Launch Partner levels

Starship Pilot – $4000-$9999

- Event Sponsor: Sponsorship recognition at up to 2 general AIAA events
- Company logo on DBF competition plane and Spaceport competition rocket
- Access to Resume Book
- Custom appreciation gift from the AIAA team
- Benefits of Orbital Associate and Launch Partner levels

Orbital Associate – $1000-$3999

- Company logo on regular and competition merchandise
- Invitation to End of Semester Showcase
- Opportunity to mentor students and participate in speaker sessions
- Monthly Newsletters with updates on industry events, student spotlights, projects, and more
- Benefits of Launch Partner level

Launch Partner – $200- $999

- Company name and logo featured on website
- Social media recognition and shout-outs