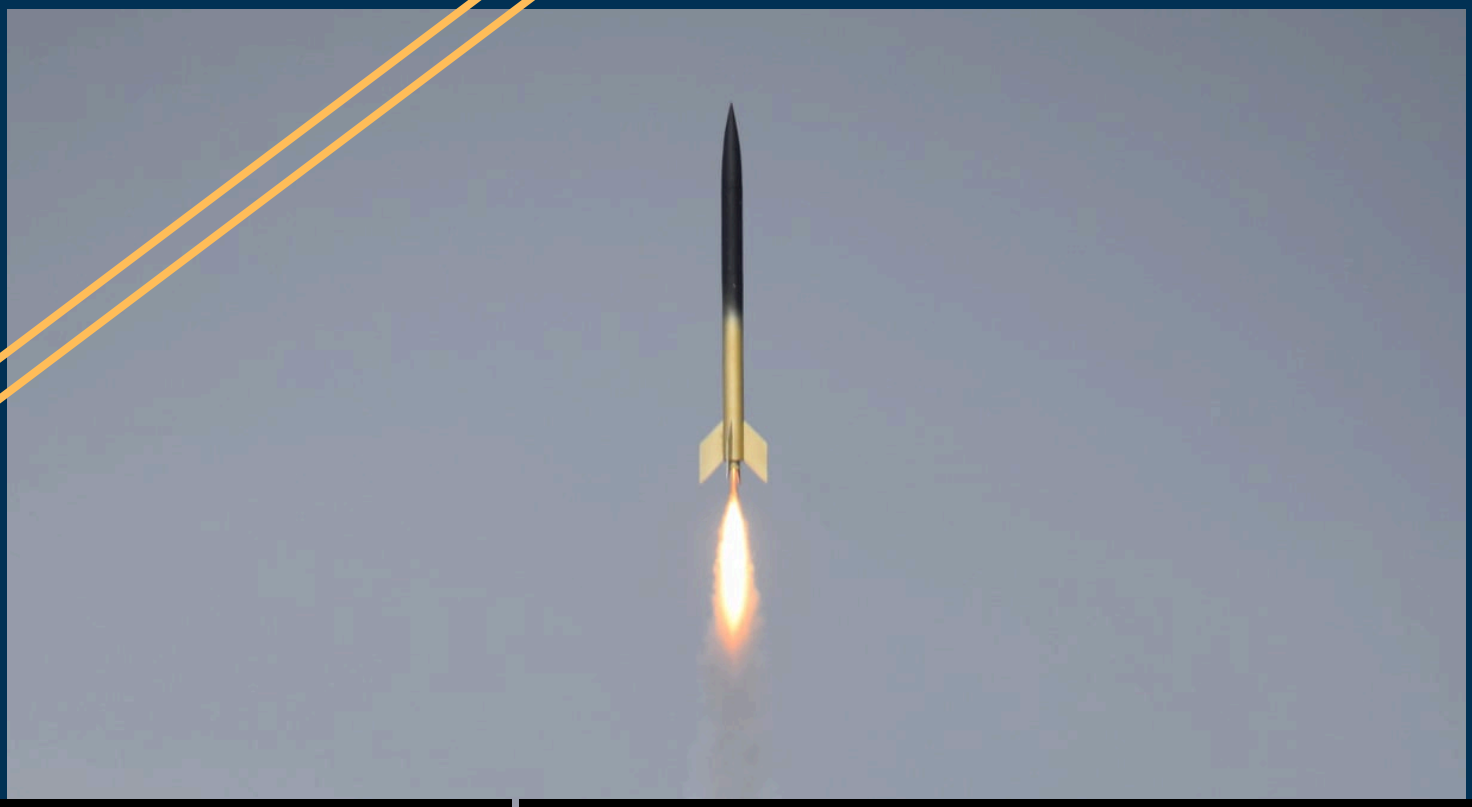
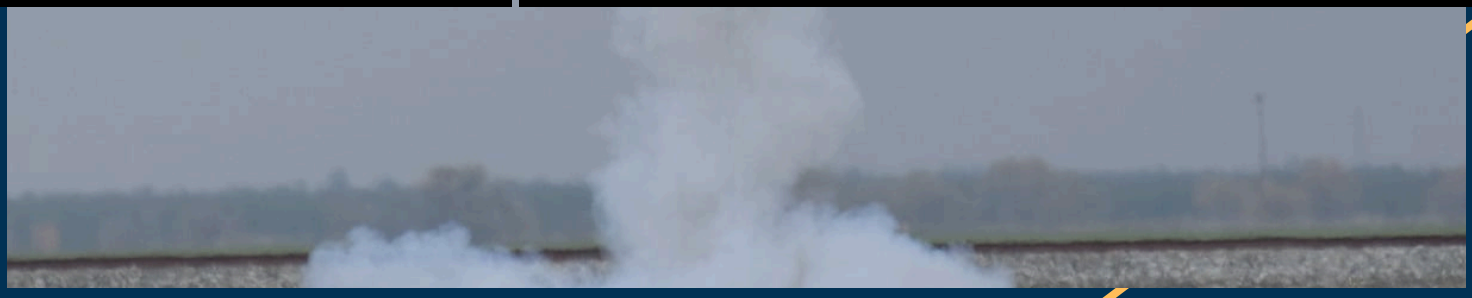


AIAA
San Jose State University Chapter

SAN JOSÉ STATE
UNIVERSITY

AIAA CORPORATE PARTNERSHIP PACKET



2024-2025

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WELCOME LETTER

We're excited to share the AIAA SJSU Sponsorship Packet for 2025! 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 competitions. 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.

Thanks 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,
AIAA Team

ABOUT SJSU AIAA

The American Institute of Aeronautics and Astronautics (AIAA) is the world's largest aerospace professional society, driving innovation in engineering, science, and technology. At SJSU, our AIAA chapter brings this mission to life empowering students through hands-on engineering, industry engagement, and national competitions.

Engineering in Action

We don't just study aerospace we build it. Our members develop rockets, aircraft, and propulsion systems through applied engineering projects, gaining real-world experience.

2025 DBF Competition Plane V1

2024 Seattle Winter Trip:
Meeting AIAA Alumni in Blue Origin

Industry & Career Connections

We connect students with top aerospace companies through exclusive company tours, networking events, and guest speakers from industry leaders like NASA, Lockheed Martin, and Blue Origin. Our annual winter trip gives members direct exposure to major aerospace hubs, and our career workshops prepare them for success in the field.

Our Impact:

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

Members of the Rocket Club testing rockets for L1/L2 Certifications

DESIGN BUILD FLY (DBF)

2025 DBF Flight Team (Top)
2025 DBF Competition Plane V3 (Bottom)

AIAA Design-Build-Fly (DBF) is an international collegiate competition that challenges university teams to design, build, and test a high-performance electric remote-controlled aircraft for a complex, real-world mission. It pushes students to apply engineering principles, optimize designs, and develop hands-on manufacturing skills.

The SJSU DBF team thrives in this intense environment, combining technical expertise with innovation to create competitive aircraft. We take pride in our rigorous design process, collaboration, and commitment to continuous improvement. With an annual budget of $12,000, our students gain real-world aerospace experience by applying engineering principles in rapid prototyping, advanced CAD modeling, Finite Element Analysis (FEA), aerodynamics optimization, control system configuration, system integration, and design for manufacturing.

2025 DBF Competition Plane V1

SJSU has a strong track record of success, winning first place in 2012 & 2016 and currently ranking in the top 25, heading to the national competition in Arizona.

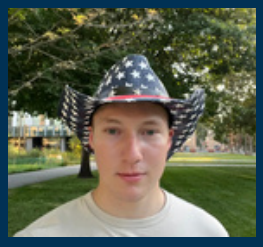
Meet the DBF Leadership Team

Chief Engineer: Miguel Yanez
Miguel is an undergraduate senior and 1st-year graduate aerospace engineering student. He worked on a 9-foot rocket launch with Spaceport America, holds a L2 high-powered rocketery certification, and leads the DBF team. Passionate about aviation, he aims to innovate as an aeronautical engineer.

Project Manager: Rafael Lopez
Rafael is a senior aerospace engineering student at SJSU. As a Rocket Club officer, he prioritizes safety and hands-on work. With experience in composites, including carbon wheels for Formula SAE, he aims to excel in DBF and work at Lockheed Martin Sunnyvale.

Aerodynamics Lead: Antonio La Manna
Antonio is a senior aerospace engineering student and works at Alef Aeronautics as an aerospace engineer. His career goal is to become a race engineer in professional motorsport.

Production Lead: Hayden Schaufel
Hayden is a senior aerospace engineering student. He helped construct a kit-build plane and holds an L1 high-powered rocketry certification. Passionate about defense applications, he aims to advance aerospace technology through a career with the DoD.



Controls Lead: Michal Murawski
Michal built his own quadcopter flight controller and foam board airplanes. He aims to work in GNC or electrical hardware for space and air vehicles.

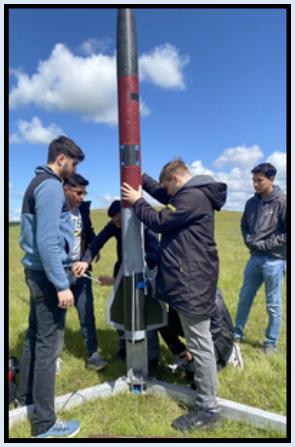
Payload Lead: Nicholas Riabtchenko
Nicholas is a senior aerospace engineering student at SJSU and is simultaneously pursuing his master's. He plans to enter the aerospace industry and refine the skills gained through his degree.

ROCKET CLUB

Rocket Club provides students with rocket kits to help them get their L1 and L2 Certification, as defined by Tripoli Rocket Association. Over hundreds of students have received their L1/L2 certifications with the club's support. Additionally, the Rocket Club hosts more advanced rocket programs such as Spaceport.

The Spaceport Team is developing a L3 high-powered rocket to compete in the 2025 Spaceport America Cup hosted by International Rocket Engineering Competition (IREC). Every team will design, build, test and launch their rockets with their 2.2 pound payloads to reach a designated target altitude. The primary focus of this competition is to provide safer and existing opponents for students to compete in aerospace challenges.

The Spaceport team's rocket is designed to reach an altitude of 10,000 ft while carrying a deployable payload equipped with scientific instruments and a 360° camera. This project provides its members with hands-on experience with rocket design, propulsion, avionics and payload integration. The Spaceport Team has been working extensively on the aerodynamics, structural design, flight simulations, and avionics components. Their participation in this competition helps to foster important engineering skills, innovation and teamwork setting them up for success in the workplace.



2024 Spaceport Competition Rocket (Top and Right)
2022 Spaceport Competition Rocket Launch (Left)

Meet the Rocket Club Leadership Team

President: Thomas Wong
Thomas is a Junior year aerospace engineering student with an L1 Certification. As Rocket Club president, he designed a 3D-printable rocket kit balancing performance and cost. His passion for aerospace began with a childhood fascination with sci-fi.

Vice President: Rae Chauvaux
Rae (they/them) is a senior aerospace engineering student with L1 and L2 Tripoli certifications, pursuing L3. They've worked on rocketry projects, including a 100,000-ft payload and Spaceport Competition rocket. After graduation, they plan to pursue a master's in aerospace engineering.

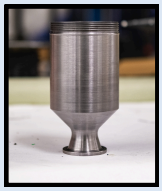
Treasurer: Aashna Gajaria
Aashna is a senior aerospace engineering student who specializes in rocket design, CAD modeling, and launch operations. She holds an L1 Certification and will intern at Lockheed Martin this summer before starting her aerospace engineering master's in the fall.

Secretary: Dev Dhruv
Dev is a graduate student studying aerospace engineering at SJSU. He is passionate about rocketry and works with the Spaceport team. He is also pursuing an L1 certification. He aspires to incorporate sustainable practices into the aerospace industry.

PROPULSION CLUB

Propulsion Club provides a place where engineering students can apply what they learn in the classroom to a structured group project. Students have the opportunity to build their leadership skills, do independent research in different aspects of propulsion systems, and learn how to work in a large group. The club provides a space and funding for students to create aircraft and spacecraft propulsion systems.

Propulsion Club also supports the Liquid Rocket Engine Project (LREP), a small pressure-fed rocket engine burning high-octane gasoline and gaseous oxygen. It has a nominal thrust of 125 lbf, a chamber pressure of 300 psi, and an operational time of 15 seconds. The combustion chamber and nozzle are made of carbon steel, the injectors are made of aluminum 6061-T651, and the coolant jacket is 3D-printed using ABS.



2024 Propulsion Team (Top)
Manufactured LREP Prototype (Right)

Meet the Propulsion Leadership Team

President: Aaron Villanueva
Aaron is a 4th-year aerospace engineering student. He oversees in-person meetings and collaborates with sub-team leads to keep projects on track. After college, he aims to develop experimental propulsion systems to shorten travel time between Earth and Mars, paving the way for human space travel.

LREP Project Manager: Jack Liu
Jack is a senior year aerospace engineering student. As the Project Manager for LREP, he focuses on rocket propulsion systems and currently leads 10+ engineering students. He is also the event coordinator for AIAA. After graduation, Jack aspires to enter the workforce and work on propulsion systems.

NASA JPL SOLAR SAIL CUBESAT

2024 Team Visiting NASA JPL

In collaboration with NASA JPL, SJSU students are developing a solar sail system for a Mars flyby, pioneering fuel-free deep-space propulsion. Using Ansys STK, orbital mechanics, CAD, and FEA, the team optimizes the spacecraft's trajectory, designs the sail geometry and storage, and engineers a reliable deployment system. This project advances NASA's interplanetary exploration goals while equipping students with hands-on experience in spacecraft design and next-generation propulsion technology.

Meet the JUCI Leadership Team

Project Manager: Sofia Boldt-Ordiozola
Sofia is a senior aerospace engineering student at SJSU. In addition to serving as the PM for JUCI, she holds a research lead position for Propulsion Club. She aims to pursue a career in thermal or propulsive engineering.

Chief Engineer: Shrihari Arunachalam
Shrihari is a Junior year Aerospace Engineering student with a passion for research and hands-on work. With three research publications, he's led multiple projects and works with the Formula SAE team. He aspires to specialize in structural design after graduation.

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.

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 – $5000-$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 – $2000-$4999

- 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 – $500-$1999

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