

Jack Josephson

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EDUCATION

Texas A&M University, Mays Business School
Master of Business Administration

College Station, Texas
August 2027

Texas A&M University, College of Engineering
Bachelor of Science in Mechatronics Engineering Technology
GPA: 3.32/4.0

College Station, Texas
May 2026

EXPERIENCE

Garver
Process Mechanical Intern, Water Business Line

College Station, Texas
May 2026 – July 2026

- Created a program using JavaScript and Python to automate pipe takeoffs for water treatment plants, streamlining OPCC development and enabling more accurate cost estimates for future projects
- Developed software and AI framework for reviewing standard details in plant drawings allowing 300+ page drawings to be reviewed in less than an hour

Helios Solutions
Software Engineer Intern

Houston, Texas
June 2024 – August 2025

- Implemented new features on a computer application used to design intra-vehicle avionics communication networks improving usability and user quality of life as well as allowing for more complex networking methods
- Restructured application code to reduce execution of costly rendering functions resulting in a 10x increase in processing speed and responsiveness
- Led the efforts for an R&D project including the research, testing design and procedure, and troubleshooting

Windhover Labs
Aerospace Engineer Intern

Houston, Texas
May 2023 – July 2023

- Designed and assisted in the assembly of a high altitude solar powered UAV
- Developed program to find optimal design of catapult launch system used for rapid deployment of a UAV eliminating the need for manual trial and error

LEADERSHIP & INVOLVEMENT

Texas A&M Design Build Fly Team
Structures & Manufacturing Team Member

College Station, Texas
May 2025 – Present

- Implemented a streamlined file-sharing solution for SolidWorks CAD files, improving collaboration and enabling seamless access to current design files directly from users' computers

Chief Engineer

May 2024 – May 2025

- Led a design team of 37 people across 4 sub teams to compete in AIAA's annual DBF competition to design, build, and fly a UAV capable of carrying 7 pounds of payload and an autonomous glider
- Placed 23rd of 112 teams making it the team's best performance since 1999

Avionics & Propulsion Team Member

September 2023 – May 2024

- Designed a device for inflight data collection using a real-time operating system (RTOS) in C++ to better quantify flight performance allowing for more informed design iteration

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: Python, C, C++, ARM Assembly, JavaScript, MATLAB, Simulink, SolidWorks, Fusion360