Yousef Hashim
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SUMMARY

Driven Aerospace Engineering student with hands-on experience in propulsion systems, CAD design, and manufacturing processes. Passionate about advancing aerospace technology through simulation, testing, and iterative design.

EDUCATION

San Diego State University, San Diego, CA

B.S. Aerospace Engineering • Expected May 2027 | **GPA:** 3.5

TECHNICAL SKILLS

Software: SolidWorks (10+ models designed), Autodesk CAD, MATLAB, Simulink, Python

Fabrication: CNC machine design & operation, 3D printing, machining fundamentals

Experience: Aerodynamic Testing (subsonic/supersonic wind tunnels, force & pressure measurement, flow visualization), Propulsion Systems, CAD Modeling, Data Analysis, Technical Documentation

Languages: English, Arabic (Fluent)

PROJECT EXPERIENCE

AquaFix – Unmanned Underwater Welder *(Oct–Dec 2024)*
- Modeled robotic subsystems including arms, propulsion units, and mechanical claws using SolidWorks. - Created detailed technical documentation for clear manufacturing and assembly.

WORK EXPERIENCE

Engineering Intern, ADKO Engineering, Inc. *(Jun–Aug 2023)*

- Supported infrastructure design using Autodesk CAD, assisting in detailed structural models.

EXTRACURRICULAR ACTIVITIES

Rocket Project SDSU – Propulsion & Manufacturing Team *(Aug 2023–Present)*

- Designed propulsion components and structural assemblies in SolidWorks; fabricated components using CNC machining and additive manufacturing tools

- Collaborated with multidisciplinary teams to ensure successful rocket launches and optimize performance through iterative design and testing.

San Diego Sales Engineering Club (SDSE) *(Jan 2024–Present)*

- Developed technical sales and communication skills through workshops.

Event/Project Manager, Kappa Alpha Order *(Oct 2024–May 2025)*

- Managed event logistics, budgeting, and coordination among sound, lighting, and construction teams. - Led planning for philanthropic concerts and multi-organization campus events.

VOLUNTEER EXPERIENCE

Event Coordinator, Granite Bay High School *(Aug–Dec 2022)*

- Coordinated the Homecoming halftime show, effectively managing a $15,000 budget and overseeing logistics, vendor relations, and performance coordination, ensuring a successful event with attendance of over 4,000 people.