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PROFESSIONAL SUMMARY

Mechanical engineering student with hands-on experience across design practice (CAD, PCB design, prototyping, 3D printing, laser cutting), design education (peer mentorship and technical instruction), and design management (leading cross-functional student teams from concept to finished prototype). Proven ability to build structure and deliver results in fast-moving, ground-up environments.

WORK EXPERIENCE

- Peer Mentor

2024 – Current

ARISE Undergraduate Research Program, Dallas College

 - Instructed roughly 12 students per semester over 6 semesters in Arduino coding, Fusion 360 modeling, soldering, and KiCad PCB design, guiding each participant from concept through a finalized working prototype.
- Team Lead

Fall 2025 – Spring 2026

Dallas College ASME

 - Led a 12-person student team through 3D modeling, circuit design, and iterative prototyping for the ASME Student Design Competition, placing top 6 among four-year universities.
- Steel Detailing Intern

Summer 2025

ARCO/Murray Design Build

 - Utilized Tekla Structures to create 3D models and 2D drawings for self-storage facilities, focusing on cold-formed and structural steel design in accordance with AISC, NISD, and industry standards.
- Medical Sergeant, Combat Medic

2016 – 2024

U.S. Army

 - Led a team of 25 individuals to coordinate mission-critical tasks, resolve equipment deficiencies, and adapt under pressure over 10 years and two deployments.

EDUCATION

Mechanical Engineering University of Texas at Dallas Current Student Expected Spring 2029	Associate of Applied Science, General Dallas County Community College Fall 2023
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CERTIFICATIONS & AWARDS

EMT-B (2016–2025) • CPR Certified (2016–2025) • Eagle Scout
Certification of Completion — UR@DC, Fundamentals of Arduino, Dallas College (Fall 2023)
Certification of Completion — CADD-Operator Certification, Dallas College (Spring 2024)

SKILLS

CAD Design (SolidWorks, Fusion 360, Autodesk)		Arduino / Embedded Coding	
PCB Design (KiCad)		Team Leadership & Mentorship	
3D Printing & Laser Cutting		Iterative Prototyping	
Tekla Structures			