

ANDREA SHEPPERD

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WORK EXPERIENCE

Texas A&M University – ENGINEERING LAB I: COMPUTATION (ENGR 102) LEAD PEER TEACHER (Aug '22 – Dec '22)

- Communicated with supervisor and peer teaching team to ensure timely, consistent, and accurate assignment grading
- Fostered an environment of continuous learning with undergraduate students in both one-on-one and group settings

Fathom5 – COMPUTER AIDED DESIGN (CAD) INTERN (Jun '22 – Aug '22)

- Expanded gear knowledge by completing two certificate programs from the American Gear Manufacturers Association (AGMA)
- Created detailed CAD models and performed finite element analysis using Fusion 360 for Research & Development projects according to specifications

U.S. Army – CHEMICAL, BIOLOGICAL, RADIOLOGICAL AND NUCLEAR SPECIALIST (Jun '08 – Oct '19)

Fort Bliss, TX (Mar '18 – Oct '19)

- Received construction and electrical pre-apprentice certification through Home Builders Institute (HBI) career training program
- Managed the Digital Training Management System (DTMS), maintaining accurate records for 450+ people

Schofield Barracks, HI (Mar '15 – Mar '18)

- Certified more than 300 HAZMAT shipments in accordance with OSHA, EPA, and DOT regulatory guidance resulting in safe transport of materials with zero incidents
- Trained 325 employees in Chemical, Biological, Radiological and Nuclear skills resulting in 90% first-time certification.
- Led training and testing of a prototype shelter system project including maintenance, troubleshooting, and repair of mechanical and electrical components

Fort Sill, OK (Dec '08 – Mar '15)

- Created an organized, reproducible standard process to quickly account for property items valued at over \$1M
- Performed weekly accountability, calibration, and maintenance of more than \$350,000 worth of equipment
- Quickly learned, cross-referenced, and operated multiple databases, resulting in increased awareness and force protection across multiple provinces in South Afghanistan

Trainee, Fort Leonard Wood, MO (Jun '08 – Dec '08)

- Graduated top 10% of class

EDUCATION

TEXAS A&M UNIVERSITY

- Bachelor of Science (B.S.) in Mechanical Engineering, Dec '25
- Graduated Magna Cum Laude

AUSTIN COMMUNITY COLLEGE

- Associate of Science (A.S.) in Mathematics, Dec '24
- Graduated with Scholastic Excellence

Affiliations

- Phi Theta Kappa (ΦΘΚ)
- Student Veterans Association
- Society of Women Engineers

ADDITIONAL SKILLS

- Basic programming using Python
- CAD using SolidWorks and AutoCAD
- Drawing and interpreting electrical diagrams
- Basic machining processes using mill, lathe, bandsaw, etc.

