

Ben McBride

10 Rushing Bear Cove, Little Rock, AR · (901) 341-3100 · mcbrideb@smu.edu

EDUCATION

Southern Methodist University, Cox School of Business, Lyle School of Engineering Dallas, TX
Bachelor of Business, Bachelor of Mechanical Engineering May 2027

- Finance GPA: 4.0/4.0 Engineering GPA: 4.0/4.0 Cumulative GPA: 3.8/4.0
- 90% of college tuition paid through *SMU Distinguished Scholar, SMU Discovery Scholarship, Palmer Endowed Scholarship, Lyle UG Engineering Scholarship* (merit-based scholarships)

EXPERIENCE

NASA/ Capstone Research Dallas, TX
Undergraduate Research Assistant Aug 2024 – Present

- Led 3-person research team developing passive sensors on Kapton substrates for wireless data retrieval
- Designed spiral sensor geometries and 3D polylactic acid sensor mounts
- Applied nanoparticle coatings to enhance methane selectivity
- Collected S11 reflection coefficient data using a vector network analyzer and applied regression models

Telluride Ski Resort Telluride, CO
Lift Operator Dec 2024 – Jan 2025

- Performed routine mechanical inspections on lift components to ensure operational integrity
- Applied real-time problem-solving to troubleshoot mechanical issues
- Coordinated emergency protocols and restored lift functionality under adverse conditions
- Enforced strict adherence to safety protocols in alignment with ANSI B77.1 standards

Los Gatos Auto Service San Jose, CA
Master Technician Apprentice May 2024 – Aug 2024

- Assisted certified Master Technicians in diagnosing and repairing complex engine and electrical issues
- Performed routine vehicle maintenance such as oil changes and brake inspections
- Engaged with customers to explain repairs and build trust, contributing to a positive service reputation
- Spearheaded local marketing efforts that boosted shop revenue by \$5,000 through community outreach

LEADERSHIP AND ACTIVITIES

Phi Delta Theta Dallas, TX
Member Feb 2024 – Present

- Volunteered in an effort that raised \$100,000 for Lou Gehrig Society
- Organized several community walks dedicated towards Autism Awareness

SMU Women's Basketball Dallas, TX
Practice Player Aug 2023 – Present

- Analyzed and replicated opposing team strategies to enhance team readiness and tactical execution
- Demonstrated rapid assimilation of scouting reports to provide high-intensity, game-like simulations
- Collaborated closely with coaching staff to refine practice drills and optimize player performance

DECA Business Club Memphis, TN
Founder, President Mar 2021 – May 2023

- Managed a \$20,000 endowment fund
- Raised money \$6,000 to fund club field trips
- Responsible for planning trips to Disney and other events through the DECA organization

ADDITIONAL INFORMATION

Skills: Microsoft Office (Excel, PowerPoint, Word), Spanish (Speak, Write), CAD (Solidworks), Python

Awards: SMU Honor Roll, SMU Deans List, Mu Alpha theta, National Spanish Honors Society, Nation honors society, National Civic Service Honor Society, Ap Scholar with Distinction