

Preston Greenwood

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EDUCATION

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

College Station, Texas
August 2026

Available to begin full-time: June 2026

Texas A&M University, College of Engineering
Bachelor of Science in Mechatronics Engineering
GPA: 3.64/4.0

College Station, Texas
May 2025

Minor in Mathematics, Minor in Embedded Systems Integration

EXPERIENCE

Advanced Micro Devices (AMD)

San Jose, California

Field Applications Engineer, Embedded Sales Team

May 2025 – July 2025

- Collected, analyzed, and presented benchmarking data on place-and-route times across AMD's x86 portfolio
- Conducted experiments involving BIOS/OS tuning, achieving a 19% improvement in place-and-route time
- Directly contributed to over \$360,000 in purchase orders within two weeks, with additional orders underway
- Developed multi-stage image processing pipeline in C++ with OpenCV AI engine kernels for customer briefing center
- Worked alongside experienced Field Application Engineers to troubleshoot customer issues and support Field-Programmable Gate Array (FPGA) designs using the Vivado Design Suite

Texas Instruments

Dallas, Texas

Product Marketing Engineer, Position Sensing Team

May 2024 – August 2024

- Conducted, analyzed, and presented market research on automotive suspension position sensors, identifying trends and opportunities for business growth. Secured support for strategic investments
- Revitalized product line marketing materials for 40 products through analyzing data sheets, technical documentation, and competitor portfolios to identify competitive advantages

Advanced Micro Devices (AMD)

Austin, Texas

Test Engineer, Radeon GPUs

May 2023 – August 2023

- Automated test time data reporting and analysis with Python scripts transforming over 400,000 lines of raw data into a user-friendly Excel workbook detailing test data from overall process down to individual tests, reducing testing costs

LEADERSHIP & INVOLVEMENT

Texas A&M University

College Station, Texas

Graduate Hall Director & Residential Advisor, Residence Life

August 2022 – Present

- Overseeing a 204-student dorm and leading team of four Residential Advisors managing operations and logistics

Aggie Club of Engineers

College Station, Texas

Special Events Chair & Athletic Officer

September 2022 – May 2025

- Build lead for 2025 Chilifest overseeing a \$50,000+ budget, sponsorships, tickets, and build design
- Planned and managed the financials for 50-person (~\$18,000) ski trip to Winter Park, CO

Aggie Robotics "Team WHOOP" (VEX Robotics)

College Station, Texas

Mechanical Lead Engineer and Robot Driver

August 2021 – May 2023

- Engineered 2 robots with multiple mechanical subsystems from the ground up to tackle game-specific challenges in competitions. Back-to-back Texas State Tournament champions and World Championship Semifinalist

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: Python, C, C++, Linux, Shell, Git, CAD, 3D-Printing, MATLAB/Simulink, Microsoft Office

Interests: Sports (basketball, golf, pickleball) and outdoors (fishing, skiing, kayaking)