Hudson Selsky

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EDUCATION

Texas A&M University, Mays Business School College Station, TX
Master of Business Administration August 2027

Texas A&M University, College of Engineering College Station, TX
Bachelor of Science in Mechanical Engineering May 2026
GPA: 3.48/4.0

EXPERIENCE

ExxonMobil Spring, TX
Intern, Commercial & Business Development May 2026 – August 2026

- Recommended a $1.2B carbon-capture investment through an assessment of policy-driven revenue streams, CAPEX/OPEX profiles, and full-cycle economic models.
- Maintained healthy relationship with counterparty through executive-level discussions to evaluate carbon-capture opportunities and market positioning.
- Built economic models and delivered clear, executive-ready visuals for an active deal valued at $400M.

Endress+Hauser Pearland, TX
Intern, Product & Applications Engineering June 2025 – August 2025

- Designed a custom liquid-analysis training skid and secured $75k in CAPEX funding for company-wide training implementation.
- Optimized troubleshooting processes for 1k+ customers annually by creating instructional videos for flow, level, pressure, and liquid analysis instrumentation.
- Enhanced customer engagement and supported sales through technical presentations for Dow Chemical.

Intern, Projects & Solutions Engineering May 2024 – August 2024

- Expedited Request for Quote (RFQ) return rate by 50% and improved project kick-offs by building and implementing an instrument selection tool in Excel.
- Produced $10M revenue by devising a VBA tool to automate quote creation processes, accelerating quoting processes for Supercritical CO2 skids from 4+ weeks to under a day.
- Added $15K engineering revenue through P&ID reading and tagging for a $100M facility.

LEADERSHIP & INVOLVEMENT

Mechanical Engineering Capstone College Station, TX
Translational Engineering Lead, UHV Motion Feedthrough August 2025 – May 2026

- Designed and fabricated $12k prototype to achieve motion within an Ultra-High Vacuum (UHV) for semiconductor metrology.
- Engineered and manufactured external lead-screw translation system enabling X/Y motion under UHV constraints.
- Collaborated with a 5-member team earning 2nd Place in the Texas A&M MEEN Capstone Showcase.

Global Engineering Design (Study Abroad) Thessaloniki, Greece
Mechatronics Team Lead, Hydropower Pumped Storage Facility May 2025 – May 2025

- Developed a plan to reduce carbon emissions for Thessaloniki by 80% through drafting a $110M hydroelectric pumped-storage system to boost renewable energy integration.
- Coordinated and collaborated with a multidisciplinary team of 25 international students, optimizing cross-cultural communication and project alignment.
- Facilitated a $5k budget for sensor research and selection to automate power storage mechanisms.

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: Microsoft Office (Excel automation, VBA), Python (NumPy, Matplotlib), Jupyter Notebook, SolidWorks, AutoCAD, P&ID reading & interpretation.
Activities & Honors: Eagle Scout, LEAD Program, Hugh O'Brian Youth Leadership Ambassador, AP Capstone, AP Scholar with Distinction.
Interests: Client engagement & relationship building, Technical communication, Cross-functional collaboration, Process optimization & automation, Market-driven engineering solutions.