

Kevin De Hoyos

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EDUCATION

Texas A&M University, Mays Business School

Master of Business Administration

College Station, TX

August 2026

Texas A&M University

Bachelor of Science in Chemical Engineering

GPA: 4.0/4.0

College Station, TX

May 2025

EXPERIENCE

Eastman Chemical Company

Process Improvement Engineer Intern

Longview, TX

May 2024 – August 2024

- Assessed existing processes by identifying causal relationships between process variables and equipment failure, leading to alternative operations potentially saving \$400k/year
- Analyzed level stability of column by evaluating correlations between process variables using Excel, followed by experimentation with varying reflux set points resulting in decreased system upsets by 15%
- Designed 3 data visualization dashboards on PI Vision for decoking 7 heaters, reducing downtime by 2 hours

LEADERSHIP & INVOLVEMENT

Tau Beta Pi – Engineering Honor Society

President

College Station, TX

August 2024 – Present

- Directed semester induction ceremonies for 110 new members, increasing participation in activities by 50%
- Appointed and trained 5 new officers to effectively delegate tasks, extending outreach by 67%
- Organized food drive collecting 112 pounds worth of donations for The 12th Can Food Pantry

Senior Capstone Design Project

ExxonMobil - Net-Zero Propylene Production Simulation

College Station, TX

January 2025 – May 2025

- Evaluated feasibility of renewable energy against using natural gas to produce electricity, leading to potentially lowering operating costs by \$43 MM and carbon emissions by 144k MT/yr
- Implemented amine carbon capture system through Aspen HYSIS, capturing 87% of carbon emissions

American Institute of Chemical Engineers

Chem-E Car - Electrical Team Member

College Station, TX

August 2024 – May 2025

- Collaborated with team of 3 to develop low-profile circuit combining chemical batteries and timing with motor, reducing weight of car by 20% and increasing maximum travel distance by 30%
- Programmed code in C++ for Arduino Uno microcontroller actualizing timing reaction and stopping criteria
- Competed in poster board and performance resulting in third place at Southwest Regional Conference

Brazos Valley Independent Percussion

Front Ensemble Captain - Marimba

Bryan, TX

October 2023 – May 2024

- Led and guided warm-up and practice sessions three times per week, ensuring ensemble's readiness for three competitions increasing overall score by 11.15 points and achieving first place at TCGC State Championships
- Partnered with 2 directors to foster disciplined yet supportive rehearsal environment, contributing to skill development and confidence of 17 musicians

SKILLS, ACTIVITIES & INTERESTS

Languages: Fluent in Spanish

Technical Skills: Excel, MATLAB, PI Vision, Aspen Plus, ProMax, Tableau, Python, C++

Certifications & Training: Global Career Accelerator – Data Analysis for Sustainability Project

Activities: Tau Beta Pi, AIChE, SHPE, Symphonic Winds, Aggie Astronaut Corps

Interests: Music, Renewable Energy, Energy Storage Systems, Chemical Recycling, Space Exploration