

Michael J Patterson

Conroe, Texas | (832) 421-3390 | michael.patterson@tamu.edu

EDUCATION

Texas A&M University, Mays Business School
Master of Business Administration, GPA - 4.0

College Station, Texas
December 2023

Texas A&M University
Bachelor of Science in Mechanical Engineering, Minor Petroleum Engineering

College Station, Texas
May 2019

EXPERIENCE

Lockheed Martin
Aeronautical Engineer Associate, Material Review Engineering

Fort Worth, Texas
October 2019 – June 2022

- Developed 2500+ structural and systems repairs across 380+ aircraft to minimize impact to production timeline while maintaining aircraft service life
- Supported field modifications by sourcing tooling and dispositioning 30 repairs across 8 aircraft while at MCAS Cherry Point for 4 weeks
- Communicated daily with production management to identify major risks to the production schedule and prioritized repair development to minimize impact to the aircraft delivery timeline
- Collaborated with domestic and international supplier quality engineers to disposition repairs to prevent the scrapping of \$500,000+ of parts
- Instructed and mentored MR engineering trainees in manufacturing processes to expedite MR certification process

Lockheed Martin
Production Operations Intern, F-35 Program

Palmdale, California
May 2019 - August 2019

- Improved production operations in a dynamic manufacturing environment through weekly metrics analysis of machining times to develop better batching strategies to decrease machine downtime and waste
- Interacted daily with varied engineering design teams to develop rapid solutions to production issues by conducting procedure analysis on composite layups for the F-22 program
- Created database in MS Access to record monthly production metrics to allow for more accurate staffing decisions that was adopted across 4 production lines

Epic International
Mechanical Engineering Intern

Spring, Texas
May 2018 - August 2018

- Aided in development of natural gas compressor cylinder and piston plating processes by analyzing manufacturing processes for the chief engineer to identify areas to improve efficiency using time studies and iterating on the plating process
- Facilitated payroll for 30+ employees, inventory management and project quoting using excel, including developing quotes for bidding on repair contracts, to contribute to a more efficient operation process

LEADERSHIP

Texas A&M University Society of Automotive Engineers
Manager of Underclassmen Development, Texas A&M SAE

College Station, Texas
August 2018 - May 2019

- Developed hands-on training specializing in automotive design with 30+ Mechanical Engineering students to prepare students for SAE Formula and SAE Baja design competitions
- Organized weekly seminars and information sessions for introduction in automotive development and design
- Coordinated monthly presentations and workshops by sourcing industry representatives and faculty speakers

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: Proficient with Microsoft Office, Publisher, SOLIDWORKS, CATIA V5

Certifications: F-35 JPO/DCMA Certified Material Review Engineer, Active DOD Security Clearance - Secret Level

Activities: Aggies in Business (Talent Director), Society of Petroleum Engineers, Texas A&M Big Event, Japhet Creek Nature Conservancy, Buffalo Bayou Partnership, Boy Scouts of America Eagle Scout

Travel Experience: Resided in Melbourne, Australia and Abu Dhabi, United Arab Emirates, extensive travel in N. America, N. Europe, New Zealand, Hong Kong & South Africa