

Ryan Landa

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EDUCATION

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

College Station, TX
August 2027

Texas A&M University, College of Engineering
Bachelor of Science in Mechanical Engineering
Minor in Computer Science
GPA: 3.81/4.0

College Station, TX
December 2025

EXPERIENCE

Arion

Houston, TX

Process/Mechanical Engineering Intern

May 2026 – July 2026

- Developed an automated Excel flange rating calculator compliant with ASME B16.5 standards, streamlining pressure-temperature rating calculations and reducing the risk of human error
- Designed and implemented 50+ Mathcad Prime calculation files, providing a standardized library of pump and compressor equations for company use
- Assisted in a process skid walkdown to verify that installed piping and equipment conformed to the piping and instrumentation diagram

Toyota Motor Manufacturing Texas, Inc.

San Antonio, TX

Quality Assurance Engineering Intern

August 2024 – December 2024

- Applied data processing and analysis methods to reduce the frequency of a production line system tracking issue by 40%
- Developed automated reports that would enable team members to resolve production tracking issues, reducing data processing time from days to seconds
- Eliminated the paint shop's manual data entry process by developing four automated live KPI reports, allocating 3-4 hours per shift for problem solving and identification
- Identified a system programming bug that affected 39% of vehicles in 2024 – shared findings with the responsible facility to support corrective action

Ebara Elliott Energy

Houston, TX

Mechanical Engineering Intern

May 2024 – August 2024

- Designed and programmed an automated rotor-stacking program that solved issues among previous methods, decreased project completion time, and eliminated the need for different programs for rotor-stacking projects
- Improved organization in the database system by documenting part information and implementing a serial number method for 100+ rotor lifting fixtures
- Created an automated CAD drawing of a self-designed rotor lifting fixture with variable dimensions, reducing project completion time and significantly increasing organization of part documentation

RESEARCH

Friesen Haptics Lab – Texas A&M University

College Station, TX

Undergraduate Research Assistant

May 2023 – August 2023

- Utilized a \$15,000 interactive tactile display and authored a Python program to enhance immediate haptic feedback and communication between Blind and Visually Impaired (BVI) persons and non-BVI persons

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: Python, SQL, Mathcad, Power BI, Excel/VBA, C++, SolidWorks

Activities: Python programming, informational/nonfiction reading

Interests: Automation, Data Processing, Programming, Nutrition, Health, Fitness, Finance