Jadon Lindsay

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EDUCATION

Texas A&M University — **College Station, TX**
Bachelor of Science in Mechanical Engineering — *Expected May 2028*
College of Engineering — *Cumulative GPA: 3.96/4.00*
Relevant Courses: Thermodynamics, Fluid Mechanics, Solid Mechanics, Materials Science

PROFESSIONAL EXPERIENCE

Dynamic Systems Inc. — **San Antonio, TX**
Project Management Intern — *May 2026 - Aug 2026*

- Automated weekly labor reporting by building a VBA and Python script that generates 9 charts from weekly cutsheet data, reducing a 60 minute manual task to seconds and giving managers faster insight for budgeting and staffing decisions.
- Updated facility flushing and pressure-testing procedures across 3 critical mechanical networks (chilled water, sanitary, and pneumatic systems), cross-referencing ASME, OSHA, and local codes to define test durations and pressure metrics.
- Interpreted multi-system piping layouts, mechanical shop drawings, and 3D spatial models against ASME Y14 standards, evaluating geometric tolerances and structural interfaces to prevent interference prior to fabrication.
- Built an Excel quality-control tracking system mapping 275 individual welds by ID, coordinating with QC leads to monitor nonconforming welds and drive them to rework resolution.
- Developed condensate piping BOMs in Stratus with 15% material padding to prevent field shortages, and authored 8 RFIs resolving spec and code discrepancies prior to fabrication.

PROJECTS

Aggies Create: Triphibian Multi-Terrain Drone — *Systems Mechanical Design Lead*

- Co-directing a multidisciplinary team of 5 engineers with design reviews and subsystem verification testing to ensure vehicle stability to deliver a hybrid vehicle capable of aerial, terrestrial, and aquatic locomotion, managing system requirements and $1,000+/semester in competitive university funding
- Designing aerodynamic airframe components, structural chassis bays, dynamic seals, and connection architecture in PTC CREO and SOLIDWORKS, balancing strength-to-weight and payload center-of-gravity through FDM prototyping
- Ran SolidWorks Flow Simulation to compare wheel profiles, selecting a volume and shape that minimized drag while keeping the vehicle buoyant with lightweight foam wheels across aerial, terrestrial, and aquatic modes

Linkage Toy Design Project — *Mechanical Team Member*

- Designed and fabricated a gear-driven Chebyshev lambda linkage assembly in SolidWorks, integrating 10+ custom 3D-printed gears and 2D laser-cut acrylic structural components.
- Calculated and applied GD&T principles, including a 0.15 mm tolerance offset across all pin-joints and gear profiles in CAD to account for 3D printer shrinkage and laser beam kerf, eliminating mechanical binding post-assembly.
- Executed tolerance stack-up analysis across laser-cut acrylic and 3D-printed ABS interfaces to prevent binding and accommodate thermal expansion/material variance.
- Validated kinematic motion across 3 design iterations, verifying degrees of freedom and mechanical clearances before presenting the physical prototype at the class Toy Fair.

LEADERSHIP & INVOLVEMENT

Professional Brotherhood of Engineers (PBE) — **College Station, TX**
Recruitment Chair — *Jan 2026 - Present*

- Organized 10 recruitment events including interviews, brotherhood events and career focused informationals and built applicant tracking databases in Excel to process 150+ engineer candidate profiles.
- Managed a $2,000 recruitment budget across 10 events, reducing costs by ~10% through vendor relationships, large-party discounts, and bulk purchasing, and recouping $100 through a profit-share event

TECHNICAL SKILLS & AWARDS

Mechanical & CAD Design: SOLIDWORKS, CREO, Rapid Prototyping (FDM), Laser Cutting
Systems & Simulation: SOLIDWORKS Flow Simulation, Python, Excel, VBA
Awards: Fall 2026 Innovation Expo Top New Project