

LANDON BERRY

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EDUCATION

B.S. Aerospace Engineering and B.S. Mechanical Engineering

Oklahoma State University, Stillwater, Oklahoma

May 2025

GPA: 3.41

WORK EXPERIENCE

Boeing

Product Engineer (F/A-18 Super Hornet)

San Antonio, TX

Sept 2025 – Present

- Contributed to F/A-18 Block III modernization through integration of advanced antenna systems, radar upgrades, and next-generation pilot interfaces
- Spearheaded revision of repair criteria and acceptance thresholds, eliminating unnecessary rework and projecting over \$1,000,000 in annual program savings after full implementation
- Supported installation of structural upgrades developed through fleet fatigue analysis to extend F-18 service life beyond 10,000 flight hours
- Developed engineering dispositions and structural repair solutions for one-off discrepancies to restore aircraft airworthiness

Pratt & Whitney

Manufacturing Engineer Internship

East Hartford, CT

May 2024 – Aug 2024

- Engineered novel fabrication methods for turbine cooling channels on engines, such as the F135, F100, and PW1000G (GTF)
- Programmed and operated wire EDMs, laser welders, and laser cutters for micron-level precision sheet metal manufacturing
- Contributed to tool design for advanced sheet metal stamping dies optimized for high volume production, supporting manufacturing output exceeding 600,000 parts per year
- Supported development of the F-35 engine core upgrade and the XA103 engine candidate for the F-47

Peterbilt

Manufacturing Engineer Internship

Denton, TX

May 2023 – Aug 2023

- Optimized assembly procedures for the first in-house Battery Electric Semi Trucks, reducing costs by over \$110,000 per year
- Conducted wire routing integration and validation of high-voltage battery electric powertrains for BEV fleet
- Developed 6-Sigma training tool to demonstrate importance of Design for Manufacturing (DFM) in lean engineering

OSU Propulsion & Airframe Integration Lab

Undergraduate Researcher

Stillwater, OK

Jan 2023 – Dec 2024

- Developed and conducted research on advanced micro turbojet and turbofan engines for small UAS, contributing to design and integration for next-gen UAV propulsion
- Designed and refined axial rotor and stator blade profiles and structures in CAD for compression stages exceeding 95,000 rpm
- Ran CFD simulations and performance maps to cut pressure losses and guide hardware iterations

LEADERSHIP and ORGANIZATIONS

Greek Engineers Club

Founding President

Nov 2023 – May 2024

- Recruited 25 members for a club dedicated to connecting young engineers involved in Greek Life on campus

Speedfest XIV - Aerospace Engineering Senior Capstone

Launch and Recovery Team Lead / Propulsion Engineer

Jan 2025 – May 2025

- Led team to design, manufacture, and operate a gas powered, propeller driven, unmanned aircraft for senior capstone project

Formula SAE

Aerodynamics Team

Jan 2022 – Jan 2023

Phi Delta Theta (ΦΔΘ)

American Society of Mechanical Engineers (ASME)

CERTIFICATIONS

U.S. Secret Security Clearance

Private Pilot License – FAA (In Progress)

SKILLS

CAD & Design: Siemens NX | SolidWorks | Autodesk Inventor | Creo Parametric

Programming & Analysis: Python | Java | Visual Basic | Excel | MatLab | LabView | MathCAD | Ansys

Manufacturing: Tool Design | CNC | Mill | Lathe | Wire EDM | Laser Welding | Composite Layup | Stamping Die