

LUDWIG PRANDTL

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EXPERIENCE

Senior Design Engineer, *Lockheed Martin*, Marietta, GA Aug 2024 - Present

- Integrate sensor systems onto Air Force and DoD aircraft.
- Work with program offices and contractors to review new technologies and support system upgrades.
- Design and test mechanical and electrical parts using additive manufacturing and design-for-manufacturing methods.
- Prepare simple, clear presentations for senior DoD and Air Force leaders.
- Use experience in mechanical design, electrical basics, and manufacturing to deliver reliable hardware.

Systems Design Engineer, *Pratt & Whitney*, Marietta, GA Nov 2018 - Jul 2024

- Designed aircraft interior parts in NX, including wiring routes, sheet metal parts, and lightweight covers.
- Led small design teams to deliver projects on time and within requirements.
- Improved installation work by redesigning wiring paths and making parts easier to assemble.
- Trained junior engineers on NX, drawing standards, and basic certification rules.

Design Quality Engineer, *Gulfstream Aerospace Corp*, Atlanta, GA Oct 2016 - Oct 2018

- Designed and delivered more than twelve robotic automation cells and custom fixtures, improving production speed.
- Served as a main point of contact for NX and Teamcenter, helping support over two hundred users.
- Built and tested prototypes using 3D printing, CNC machining, and laser cutting to solve shop-floor issues quickly.
- Coordinated with technicians, planners, vendors, and customers to move designs smoothly into production.

Airframe Design Intern, *Delta TechOps*, Atlanta, GA Sep 2014 - Sep 2016

- Created engineering models and drawings in CATIA V5 for major aerospace programs.
- Designed airframe parts and assisted with assembly layouts while following strict security requirements.
- Used PLM tools to manage revisions, design data, and engineering change requests.
- Helped improve design workflows by assisting with process-improvement projects.

Mechanical Engineering Intern, *Raytheon*, Atlanta, GA Jun 2013 - Aug 2014

- Assisted with mechanical layout, mounting hardware, and bracket design for defense-related systems.
- Updated CAD models, drawings, and small assemblies in SolidWorks under senior engineer guidance.
- Helped run simple environmental and vibration tests to verify component performance.
- Organized test data, wrote short summaries, and supported prototype builds in the engineering lab.

EDUCATION

BSAE, *Georgia Institute of Technology*, Daniel Guggenheim School of Aerospace Engineering May 2015

SKILLS

- **Design:** NX 12, CATIA V5, NX 9, Solidworks, Inventor
- **PLM:** Teamcenter, Enovia LCA, Matrix One
- **Industry Standards:** ASME Y14.100, ASME Y14.5, US Import/Export Regulations, CFR Title 14