Kyle Short

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**EDUCATION**

**Purdue School of Engineering and Technology,** IUPUI May 2025

Master of Science in Fluid and Thermal Sciences

**Purdue School of Engineering and Technology**, IUPUI May 2024

Bachelor of Science in Mechanical Engineering

**WORK EXPERIENCE**

**GE Aerospace,** Norton Shores, Michigan May 2022 – August 2022

**Manufacturing Intern**

* Programmed laser optic robotics to automate product audits and First Article Inspections
* Analyzed the Cpk and Ppk of product lines through the use of SPC monitoring systems
* Conducted First Article Inspections by use of OGP Smartscopes and microscope imaging
* Used statistical analysis softwares to analyze SPC data and process health
* Programmed Kardex Remstar inventories, while scrapping or updating obsolete machine tooling

**Dexter Axle Company,** Elkhart, Indiana May 2021 – August 2021

**Product Design Intern**

* Processed engineering change requests
* Worked directly with customers to troubleshoot and redesign faulty products
* Simplified current assemblies to decrease cost of production
* Updated parts to meet current industry standards

**Comcast Cable Corporation,** Mishawaka, Indiana January 2019 - August 2019

**Communications Technician 2**

* Troubleshot faulty customer equipment
* Updated on-site obsolete equipment

**United States Marine Corps** April 2017- September 2020

**Electronic Transmissions Systems Maintenance**

* Diagnosed, modified, and performed field and shop maintenance on Transmissions Systems
* Requisitioned parts to maintain systems functionality
* Facilitated and implemented platoon job training
* Cross-trained with other unit billets to better understand unit capabilities and missions

**pROGRAMS**

**Navy Engineering Innovation & Leadership (NEIL)** December 2021 – Current

* Gained leadership skills by leading and tutoring peer groups in STEM courses
* Conducted research through IUPUI, focused on Navy-priority areas
* Received focused training in leadership by Organizational Leadership (OL) faculty

**American Institute of Aeronautics and Astronautics (AIAA)** – Vice President December 2021 – Current

* Corporate outreach to organize guest speaker visits and networking events for students
* Created and grew the organization with a group of executive committee officers

**American Society of Mechanical Engineers (ASME)** – Treasurer June 2022 – Current

* Applied for funding for numerous organizational events
* Adhered to university guidelines for event approval processes

**SKILLS**

* GD&T
* Statistical analysis
* C Programming language
* NX/Unigraphics
* Autodesk modeling
* Robotics programming
* Finite Element Analysis
* Root cause analysis
* English, Spanish
* Small group leadership
* Project management
* Active security clearance