

Bryce Schuebert

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EDUCATION

University of Georgia College of Engineering, Athens, GA

- *Master of Science in Engineering with Mechanical Emphasis* May 2022
- *Bachelor of Science in Mechanical Engineering* May 2020
 - Relevant Coursework: Advanced Thermodynamics, Advanced Manufacturing, Design Methodologies, Vibrations, Fluid Mechanics

TECHNICAL & ENGINEERING

Root Cause Corrective Action, Tool Design & Manufacturing, GD&T, Material & Processes, Additive Manufacturing (FDM/SLS/DMP), CATIA V5, Python, Inventor, SysML

ANALYTICAL & LEADERSHIP

Cross-Functional Team Management, Lean Process Optimization, Manufacturability Analysis, Process Flow Analysis, Design of Experiments, FOD Risk Management, Augmented Reality

EXPERIENCE

Lockheed Martin F-35 Joint Strike Fighter Program, Marietta, GA

Senior Manufacturing Engineer August 2023 – Present

- Chaired the Priority Tool Review Board, mitigating design/manufacturing constraints of both in-house and outsourced priority tools to ensure on-time, cost effective deployment
- Proactively initiated and resolved (11) RCCA issues, driving substantial production process improvements and gathering funding for innovative tooling — effectively eliminating 2,115 defect hours
- Established a weekly Schedule Review Board to define tool order scopes and set realistic schedules, coordinating closely with design and manufacturing stakeholders to optimize project timelines
- As Tool Trial Coordinator, overhauled the trial process by implementing a queue-based system within the existing tooling database, significantly reducing existing backlog and streamlining the trial workflow
- Developed AR experiences in partnership with Operations Technology for enhanced production verification, boosting inspection precision and maintaining dynamic compliance with current engineering configurations

Manufacturing Engineer

August 2022 – August 2023

- Managed the complete tooling lifecycle, overseeing the design, development, and deployment of (24) tool designs to fulfill high-rate production requirements
- Fostered collaboration with Production, Planning, Quality Engineering, and Industrial Engineering teams to delineate critical assembly sequences, seamlessly integrate changes into production schedules, and substantially reduce costs related to scrap, rework, and repairs across multiple build areas
- Engineered ME onboarding with detailed job guides, reducing assimilation time from 8 to 2 weeks & standardizing work expectations

Graduate Research Assistant University of Georgia MODE2L Group, Athens, GA

August 2020 – May 2022

- Investigated the implications of supply chain network event disturbances, such as COVID-19, on mass personalization, exploring this novel, user-centric manufacturing approach
- Performed Process Flow Analysis and conducted Design of Experiments for a multi-million-dollar USDA-sponsored pecan initiative, targeting post-harvest methodologies to increase intact nut throughput
- Integrated additive manufacturing processes for research-driven rapid prototyping and material testing applications

Fabrication Lab Team Leader University of Georgia, Athens, GA

May 2017 – August 2020

- Independently orchestrated the design and creation of the College of Engineering's student fabrication laboratory, incorporating advanced machinery such as additive manufacturing machines, PCB & CNC mills, water jets, injection molding & welding systems to augment hands-on learning experiences
- Recruited and directed a diverse team of six student workers, ensuring a well-coordinated and fully operational laboratory environment conducive to engineering innovation and practical skill development

CERTIFICATIONS

Model-Based Engineering Apprenticeship 2023 – Present

- Advanced Manufacturing Process Analysis, Digital Manufacturing & Design, DFM, GD&T

Harvard's CS50x 2022

EXTRACURRICULARS

University of Georgia Mentorship Program 2023 – Present

American Society of Mechanical Engineers 2021 – Present

U.S. Metric Association Social Media Lead 2021 – 2023

Guide Dog Foundation 2016 – 2018