

Dylan Schmidt

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OBJECTIVE

Seeking a challenging position in manufacturing operations that will benefit from my analytical skills as an engineer, abilities to work well with people, and where relevant work experience within GE Aviation can improve day-to-day operations.

EDUCATION

Bachelor of Science in Mechanical Engineering
Miami University, Oxford, OH
GPA: 3.44/4.00

Fall 20xx

Technical Skills: Proficient in NX Unigraphics CAD/CAM Platform, Microsoft Visio & Access, Solidworks, MS Office Suite

RELATED ENGINEERING EXPERIENCE

Aviation Engineering Performance and Operability

May 20xx - Present

General Electric: Aviation

West Chester, OH

- Simplified performance calculations in CFM56-7B Engine Shop Manual, reducing operator confusion and overall performance team workload
- Performed a detailed analysis on CFM56-7B engine overhaul performance test data to verify and valid engine rating change procedures described in the Engine Service Bulletin

Manufacturing Engineering EHS and Compliance Focal

May 20xx – August 20xx

General Electric: Aviation

Evendale, OH

- Expedited the relocation of fixed assets and worked extensively to ensure proper Lockout/Tagout procedures, Safety Risk Assessments, and other EHS related concerns were created/rectified for all machines to reduce relocation down time by 50% and return machines to a production ready state
- Designed and built fixture for AgieCharmilles EDM machine to reduce set-up time by 60% and increase overall efficiency of the machine itself
- Led the platinum coating process development for the Passport 20 stage two turbine airfoil to ensure even coating across the entire part

Lean Manufacturing Intern

May 20xx - August 20xx

General Electric: Aviation

Springdale, OH

- Accelerated the manufacturing and machining of the new Leap X stage one high pressure turbine blades to meet the demanding development engine deadline
- Led the adaptive EDM machining process to reduce the amount of overdrills and rework by 40% to ensure quality hardware in a minimal time frame
- Designed and built fixture to machine root plate for the Advent development engine

Global Sourcing Quality Intern

August 20xx – December 20xx

General Electric: Aviation

Springdale, OH

- Developed and launched a new quality planning database accelerating the tracking of trainees while reducing report generation turn time by 40%
- Defined new process of alert tracking and was responsible for supervision of business critical alerts and traceability of responses

UNDERGRADUATE RESEARCH

Undergraduate Research

January 20xx - Present

Faculty Advisor: Dr. Jeong-Hoi Koo

- Utilized the desirable mechanical properties of Magneto-Rheological Elastomers to develop a portable Electronic Braille device to enhance blind individuals reading experience
- Designed a testing structure to experiment with Structural Acoustic Control using Variable Stiffness materials, namely Magneto-Rheological Elastomers and their ability to block low frequency sound waves when subjected to a magnetic field

AWARDS/ACHIEVEMENTS

- Recipient of Office for the Advancement of Research and Scholarship grant April 2013
- President's Education Awards Program Outstanding Academic Excellence 2010
- Cincinnatus XVI Scholarship recipient March 2010