

# Dylan Schmidt

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## EDUCATION

### Bachelor of Science in Mechanical Engineering

December 20xx

Miami University, Oxford, OH

GPA: 3.44/4.00

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
- Cincinnati XVI Scholarship recipient March 2010