

Micheal Jordan
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EDUCATION

Drexel University

Bachelor of Science in Mechanical Engineering
Minor in Electrical Engineering

Philadelphia, PA
Anticipated Graduation: June 2014
Cumulative GPA: 3.39

SKILLS

CAD: Cero/ProEngineer, AutoCad
Numerical Computing: MATLAB, LabVIEW, Maple 13
Database: PeopleSoft, Tabware, Oracle
Microsoft Office: Word, Excel, PowerPoint
Hardware: Fourier Transform Infrared Spectroscopy (FTIR), Scanning Electron Microscope (SEM), Multi-Purpose CCD Laser Micrometer, Process Compensated Resonance Testing (PCRT)

EXPERIENCE

GE Aviation, Ceramic Composite Products

Newark, DE

Technology Team Engineering Co-op

September 20xx to March 20xx

- Led development of Fourier transform infrared spectroscopy (FTIR) technology for the design of coated fiber nondestructive testing in future fiber coating production process
- Researched, developed, and analyzed laser micrometer technology to quantitatively assess fiber quality and enhance production process
- Collected and analyzed coated fiber data for the design of chemical properties in future fiber coating production
- Organized, researched, and standardized mechanical polishing procedure of fiber to improve fiber qualification
- Collaborated with vendor and experimented with process compensated resonance testing (PCRT) to develop correlation between PCRT data and CT scan data as well as other quality assessments of ceramic matrix composite (CMC) aircraft engine parts (shrouds and blades)
- Designed and managed equipment modifications to enhance production of coated fiber
- Utilized scanning electron microscope (SEM) for qualification of ceramic matrix composite aircraft engine parts and fiber

Johnson Matthey Emission Control Technologies

Wayne, PA

Production Technician Engineer

September 20xx to September 20xx

- Designed equipment upgrades to increase production throughout and minimize equipment downtime
- Analyzed maintenance logs for historical trending and analysis of production equipment
- Researched and organized a predictive and preventive maintenance system using computer software
- Implemented and revised operations and maintenance procedures

Computer Aided Design & Manufacturing

Drexel University

Product Designer

March 20xx to June 20xx

- Interviewed stakeholders to identify and develop needs and specifications for development of teaching aid device for middle school math and science classes
- Designed water wheel assembly to teach cellular respiration and fundamental physics in order to satisfy product needs and specifications
- Developed and tested prototype model to determine feasibility of product based on needs and specifications

ACTIVITIES

Volunteer, 69th Street Soup Kitchen, 2002-Present
Forward/Defense, Men's Roller Hockey, Marple Sports Arena, 2010-Present