

# Bradley T. Joseph

1300 Cimarron Circle Apt. #111A  
419-217-4441 (Mobile)

Fairborn, OH 45324  
joseph.30@wright.edu

**Objective:** Seeking a full time position in the field of Metallurgy or Materials Science Engineering.

**Education:** Bachelor of Science in Materials Science Engineering June 2011  
Wright State University Dayton, OH  
Overall GPA – 2.985  
Engineering GPA – 3.25

## Work Experience:

**Assembly Line Worker** November 2010 – December 2010  
*Rainsville Technology Incorporation* Rainsville, AL

- Mold injection facility for Honda of Alabama
- Temporary worker over Christmas break from school
- Spoiler assembly line worker

**Metallurgist Intern** June 2010 – September 2010  
*Nucor Steel Berkeley/ Cold Mill Galvanizing Line* Charleston, SC

- Advanced High Strength Steels (AHSS) research
- Analyzed and characterized dual phase grades of steel
- Accumulated processing knowledge and data
- Metallurgical sample preparation
- Correlated microstructure analysis to mechanical properties
- Scanning Electron Microscope (SEM) experience with surface defects

**Materials Science Research Intern / Engineering Technician** July 2009 – June 2010  
*Wright Patterson Air Force Base / SOCHE Contractor* WPAFB, OH

- Adhesives, Composites, and Elastomers Team
- Impact testing on carbon fiber composites for F-16 fighter pilot helmet
- Operation of autoclave to cure specimens at certain temperatures and pressures
- Aluminum wedge test analysis with film adhesive preparation
- Preparation of bagging sequence to cure specimens
- Surface preparation for composite specimens

**Materials Science Engineer Co-op/Lab Technician**

November 2008-January 2009

*Miami Valley Materials Testing Center*      Tipp City, OH

- Metallurgical sample preparation for metallographic analysis
- Hardness and Microhardness testing using the Rockwell series
- Coating thickness analysis using a metallograph and stereoscope
- Tensile testing analysis
- Observed testing of chemical properties, SEM/EDS, and corrosion

**Summer Help/Laborer**

June 2007-August 2008

*Bellevue Manufacturing Corporation*      Bellevue, OH

- Press Operator- production of steel and tin oil filters
- Crane Operator- unloading steel coils coming in from the trucks
- Tow motor Operator- loading and unloading trucks with product
- Cleaning and maintenance around factory floor

**Technical Skills:**

- SolidWorks
- Microsoft Word
- Excel
- PowerPoint
- C++ Programming
- MatLab
- Mathematica