

Bryson L. Hayes

bryson.lamar@gmail.com

5416 Pinehurst Dr.
Wilmington, DE 19808
260.241.7142

Objective

To obtain a full-time position that I can use my technical mindset to assist in bringing a better product to the customer.

Education

Purdue University, West Lafayette, IN
Bachelor of Science, *Materials Science & Engineering*
Minor, *Economics*

May 2010

Technical Skills

Applications: *MS Office Suite, Minitab Statistical Package, MatLab, Adobe Acrobat Suite*
Operating Systems: *Windows XP, Windows Vista, Mac, Unix* Databases: *MS Access*
CAD: *AutoCAD, AutoDesk Inventor*

Professional Experience

Quality Engineer I

October 2010 - Present

Terumo Medical Corporation: *Quality Management: Elkton, MD*

- Worked with customers, sales staff, managers, technical staff, and production associates to evaluate and improve product quality
- Led in root cause analysis during investigation of process/product non-conformances both in-process and for customer complaint follow up.
- Executed decisions base on experience, statistical data analysis, and communication.
- Implemented changes to the company's production and quality procedures
- Trained on ISO standards and performed audit activities

Senior Design Group Member (Academic Project)

August 2009 – May 2010

Purdue University School of Materials Engineer, PCC Airfoils (sponsor)

- Investigated non-conforming investment cast airfoils
- Performed microstructure and NDT analysis to explain problems (OM, SEM, EDS, GDS)
- Investigated similar problems through literary research
- Made process recommendations based on testing and statistical analysis to industrial sponsor

Materials Co-Op

May 2009 - August 2009

Honda of America Manufacturing: *East Liberty Plant: Paint Department, East Liberty, OH*

- Assisted monitoring the performance of the sealant material used in the sealant booth
- Led daily viscosity measurements using a programmed rheometer and viscometer
- Programmed rheometers & viscometers to check specific properties of the material
- Worked along side of co-workers and vendors to fix technical paint quality issues
- Assisted completing tasks needed by environmental staff, paint quality, and other groups

Metallurgist Intern

Summers 2007 & 2008

Nucor Steel: *Fastener Division, St. Joe, IN*

- Assumed responsibility monitoring the steel pickle line; monitored bath concentrations and pickling times
- Performed analysis of annealed samples' microstructure (OM)
- Performed strengthening tests on finished product
- Improved on and taught chemical testing procedures