

Michael Brennan

Test Engineer

Philadelphia, PA - Email me on Indeed: [indeed.com/r/Michael-Brennan/b4bf42fee38d7bf5](https://www.indeed.com/r/Michael-Brennan/b4bf42fee38d7bf5)

Willing to relocate: Anywhere

Authorized to work in the US for any employer

WORK EXPERIENCE

Test Engineer

General Air Products - Exton, PA - July 2013 to May 2015

Create functional test rigs for both performance testing and life testing

- Gathered and analyzed data to write engineering reports
- Supervised a test technician in product performance testing
- Work with production on solving product performance and specification issues
- Conducted parts testing for compressors to develop and verify product improvements
- Performance test chillers, pump stations, nitrogen generators and compressors
- Troubleshoot failing or broken units to find the failure mode and solution to problems

Lead Safety Officer

- Trained in 10 hour OSHA course for General Industry Safety and Health
- Maintain and injury-free production environment
- Responsible for shop safety and implementing new and safer practices/policies
- Helped design safer testing facilities and electrical layouts

Mechanical Designer

- Used SolidEdge, SolidWorks and AutoCAD to create models and drawings for production
- Created detailed warehouse and production layouts using AutoCAD

Research Assistant

Center for Composite Materials - Newark, DE - June 2010 to June 2013

Performed mechanical testing and data analysis on various fibers and materials

- Performed microscopy on various fibers and material samples
- On team responsible for creating data analysis automation for tensile tested fibers using MATLAB
- Gained knowledge and training in lab safety procedures
- Created and gave multiple oral presentations about the research that was being done

SKILLS

- Experienced with SolidWorks, Solid Edge and AutoCAD
- Experience in constructing piping and copper assemblies
- Experience in troubleshooting electrical and mechanical systems
- Knowledge of PLC logic and MATLAB coding language
- Experience in dealing with OSHA and employee safety inquiries
- Experience reading and interpreting technical diagrams
- Experience with machining using a mill and lathe
- Experience with electronic optical microscope, confocal microscope and Field Emission SEM
- Proficient with Microsoft Word, Excel and PowerPoint
- Proficient with Mac and PC platforms
- Proficient oral and written communication

- Team oriented thinking
- Adept leadership skills

EDUCATION

Bachelor of Mechanical Engineering in Mathematics

University of Delaware - Newark, DE

December 2012