

Brian Forster

(309)-681-9539
2401 North Atlantic Ave
Peoria IL 61603
e-mail forster1978@gmail.com

Objective

I am looking for a position that allows me to assume challenging new roles and responsibilities; allowing me to apply my current knowledge and experience while having opportunities to learn and grow professionally.

Experience

03/2008-Present Belcan Corporation Peoria, Illinois

Engineering/Technician Group Leader

- Led a team of 30 engineers and technicians which resulted in a 1500% increase in Engineering/Technician presence at Caterpillar Proving Grounds following the economic downturn of 2009.
- Managed all Human Resource functions for assigned personnel including interviewing applicants, performance evaluations, corrective counseling and career development mentoring.
- Tasked with identifying areas of inefficiency in existing processes and developed Lean process changes to maximize engineering effectiveness through standardized work processes.
- Developed an electronic work request process to expedite task completion; ensuring validation volume was maintained.
- Increased technician utilization 1650% from July to December 2008

Electromagnetic Compliance Test Engineer

- Tested Caterpillar product for compliance with the appropriate standards for individual sales markets, collaborating with Proving Ground and Product Group teams to provide accurate, timely test results and recommendations.
- Managed all specifications for components installed in tested machines for Caterpillar's Whole Machine EMC Testing program.
- Developed design specifications for Open Air Testing(OATS) facility regarding proper E/M wave management practices to comply with applicable ISO standards.
- Experienced in testing to ISO 13766:2006, EN 13309:2008 utilizing ISO 11451 methods in OATS environment.
- Drafted all EMC test plans to support testing operations at both Peoria and Tucson, AZ facilities.
- Assisted in Machine Development Center spatial scheduling tool development.

2006-2008 Bradley University Peoria, Illinois

Solid State Research Program Team Member

- Member of Physics Department research start-up team responsible with

the development of a project exploring novel techniques for zinc-silicon LED crystal growth.

- Fabricated hardware for experimental zinc vapor deposition in ultra high vacuum environment.
- Conducted experimental zinc depositions and collected electron microscope data.
- Analyzed data which resulted in the discovery of new zinc crystal behavior.

05/2006-08/2006 Cleveland State University Cleveland, Ohio

Bio-physics Researcher

- Conducted LASER experiments using Dynamic Light Scattering Spectroscopy (DLSS) techniques to support medical drug delivery project.
- Collected and analyzed data to attempt to utilize the Stokes-Einstein Equation for drug delivery development.

05/2005-12/2005 Classic Connection Restoration. Cleveland, OH

Lead mechanic

- Restored and refurbished American and European classic automobiles
- Built custom ignition components to modernize Mercedes coupes

11/2003-04/2004 Sargent Cycle Products. Jacksonville, FL

Custom Seat Fabricator

- Integral part of custom service role of Sargent Cycles, customized all customer seats and coordinating with upholstery department to deliver all orders on time while preparing for Daytona Bike Week trade show.
- Member of new product development team; responsible for developing the first Ducati 999 aftermarket seat.

09/2003-11/2003 TCI Powder coatings. Jacksonville, FL

Laboratory Technician

- Performed quality control and customer specification testing to validate experimental powder coatings
- Processed experimental formulations from raw constituents to applied product.

05/1997-05/2003 US Navy Jacksonville, FL

Electronics Technician

- Led Micro-miniature electronics repair program from 1999-2002.
- Supervised ten communications technicians and maintenance/repair operations onboard USS Philippine Sea during 2000-2001 pre-deployment exercises.
- Selected for consideration to White House Communication Detachment.
- Selected for special duty with Fleet Technical Support Center prior to separation.
- Awarded Enlisted Surface Warfare Qualification, NATO (Kosovo) Medal, National Defense Medal, Good Conduct Medal (2) , Navy Unit Commendation, Meritorious Unit Commendation, Armed Forces Expeditionary Medal.

- Member of Anti-terrorism /Force Protection team, participated in Iraqi embargo enforcement prior to combat actions during 2001 Mediterranean deployment.

Education

2006-2009 Bradley University Peoria, IL

- Require 2 general education credits to complete B.S. in Physics, graduation date planned to be DEC 2010.
- Completed advanced mathematics graduate course during junior year.
- Presented zinc crystal research during Bradley University Academic Symposium 2008.

2005-2006 Cleveland State University Cleveland, OH

- General education curriculum.
- Dean's list all four semesters.
- Senior level research during Sophomore Year.

1997-1999 US Navy Electronics School Great Lakes, IL

- AC/DC theory, solid state, logic circuits, RF wave propagation, antenna/waveguide theory, radar principles, communications systems, micro-miniature electronics repair certification.
- Curriculum evaluated by ACE to satisfy 56 semester hours.

Interests

Automotive customization, alternative energy, gardening.

References

Philip Lange
Tracked Machine Validation Manager
Peoria Proving Grounds
(309) 698 5893

Nathan Schenkel
L6E Validation Engineer
(309) 698-5201

Howard Plumier
WMEMC Team Lead Peoria Proving Grounds
(309) 578 3244