

ZACHARY C. NIELSEN

XXX Resume Rd., Brunswick, OH 44212

XXX.XXX.XXXX; Hello@mail.com; zachnielsen.flooha.com

Education

- **University of Toledo**—Toledo, OH
Masters of Science in Solid Mechanics and Dynamics
 - Projected Graduation: August, 2010
- **University of Toledo**—Toledo, OH
Bachelor of Science in Mechanical Engineering
 - Graduated: December, 2008

Experience

- **University of Toledo**—Toledo, OH
Research Assistant: January 2009 - present
 - Research assistant in the Hydraulic Test Facility, testing hydraulic components to improve efficiency working toward a Hybrid Hydraulic Vehicle design.
 - Helped with initial setup and implementation of the lab, assisted in wiring of DAQ system, and setup experiments for testing.
- **University of Toledo**—Toledo, OH
Course Instructor: January 2009 - December 2009
 - Taught rock climbing skills ranging from beginner through advanced to University of Toledo students for course credit.
 - Structured curriculum, class outlines, and grading for classes up to thirty students.
- **MTD Products**—Valley City, OH
Mechanical Engineering Co-op: August 2006 - May 2008
 - Worked with leadership team to develop and prototype a new product concept.
 - Tested and redesigned a safety assembly to meet compliance standards.
 - Re-allocated surplus hardware to existing products.
- **Curtiss Wright Flow Control Corporation**—Brecksville, OH
Manufacturing Engineering Department: May 2005 - August 2005
 - Maintained process and setup sheets.
 - Created tooling drawings and tool catalogs.
 - Developed floor plan and layout for a Mori Seiki HMC.

Computer Experience

- **Operating Systems:** Windows 2000/XP/Vista/7, Debian Linux
- **Computer Software:** Microsoft Office, L^AT_EX, Matlab r2009a, MathCAD 14, Unigraphics NX5, AutoCAD 2006, Adobe Photoshop CS4

Special Skills and Interests

- Computer savvy; maintain my own website as a hobby.
- Trained instructor through the American Red Cross for First Aid and CPR.
- Familiar with a wide range of manufacturing equipment.
- Very comfortable in a hands on environment.
- Awarded Eagle Scout Rank, Boy Scouts of America (2003).