



THE ERGONOMICS CENTER
OF NORTH CAROLINA
Advancing the Science of Ergonomics in the WorkplaceSM

Ashley H. Pearce, MISE, AEP
Ergonomist

EDUCATION

Auburn University, Auburn, AL

Master of Industrial and Systems Engineering, May 2011
Occupational Safety & Ergonomics Program

- *Master's project:* A Case Study of Proposed Enhancements to the AIHA Ergonomics Toolkit

Auburn University, Auburn, AL

Bachelor of Science, Mathematics, Magnum Cum Laude, May 2009
Bachelor of Arts, Political Science, Magnum Cum Laude, May 2009

WORK EXPERIENCE

The Ergonomics Center of North Carolina, Edward P. Fitts Department of Industrial and Systems Engineering, North Carolina State University, Raleigh, North Carolina
Ergonomist, July 2011-Present

- Provide comprehensive ergonomics services (i.e. program development, risk assessment, job analysis/design recommendations, training, team development, guideline development) to clients and member companies/organizations.
- Serves as research liaison to facilitate coordination of ergonomics research projects between clients, member companies, and NCSU faculty and graduate research assistants.

Auburn Engineers, Inc., Auburn, AL

Ergonomics Design Competition Manager, 2010-2011

- Coordinating, organizing, and managing the Annual Ergonomics Design Competition for Student Teams
- Developed management system for future competitions and assisted developing competition problems
- Gained experience using eTools Ergonomic Software

Johnson Controls, Inc., West Point, GA

Industrial Engineering Intern; Health & Safety Intern, June - August 2010

- Worked with an Industrial Engineer to apply engineering principles, methods, and techniques to accomplish the following:
 - Prepare and maintain the Elemental Instruction Sheets
 - Prepare and maintain the Operational Description Sheets
 - Assist in maintaining the Process Book for each product
- Worked with the Health & Safety Coordinator to:
 - Perform Physical Demand Assessments
 - Update and Perform Potential Ergonomic Issues Lists
 - Worked to ergonomically evaluate and define newly created jobs for employees
 - Collected appropriate Materials Safety Data Sheets

**United States House of Representatives, Congressman Robert “Bud” Cramer;
Washington DC**

Congressional Intern, AL 5th district, May-June 2007

- Categorized, managed, and distributed incoming constituent mail
- Organized, processed, and directed outgoing constituent mail and maintained files for letters and documents
- Led tours of the Capitol Building
- Conducted research for Congressman Cramer
- Data entry and maintenance, including business cards and contacts
- Trained the incoming team of interns

SPECIAL SKILLS

- Experience in ergonomics processes, experimental design, data collection, product design methods, group problem solving, planning, and project management
- Computer Programs: 3D Static Strength Prediction Program (University of Michigan), Microsoft Office, Matlab
- Experience with, NIOSH Lifting Equations, Vicon Motion Capture system

PUBLICATIONS AND PRESENTATIONS

T. Blackwell, R. Thomas, A. Pearce, A. Snider, R. Sesek, Auburn University, Auburn, AL; S. Gibson, Ergonomics Applications, Salem, SC. *"A Case Study of Proposed Enhancements to the AIHA Ergonomics Toolkit."* American Industrial Hygiene conference & exposition, PO 134-6, 2011.

AFFILIATIONS/AWARDS

- Associate Ergonomics Professional (AEP), Board of Certification in Professional Ergonomists (BCPE), 2011-Present
- Member, American Society of Safety Engineers, 2009-Present
- Member, American Industrial Hygiene Association, 2011-Present
- Member, Alpha Pi Mu, Industrial Engineering Honors Society, 2011-Present
- Member, Phi Kappa Phi Honors Society
- Alumnus, Alpha Xi Delta Women's Fraternity
- Erma Byrd Fellowship; US Department of Education Occupational Safety Scholarship, Spring 2010
- Richard F. Ashford Annual Scholarship; Auburn University, College of Science & Mathematics, 2008
- National Institute for Occupational Safety & Health Alabama ERC Fellowship; 2010-2011