

GARTH GHEARING

ENGINEERING TECHNOLOGY LECTURER ♦ EAST TENNESSEE STATE UNIVERSITY
111A WILSON-WALLIS HALL 70552 ♦ JOHNSON CITY, TN 37614-0552
GHEARINGG@ETSU.EDU ♦ Phone (423) 439-7825

Summary

- Seeking a position with potential for advancement in a company that will allow me use my existing skills and to grow as an engineer.
- Performed industrial energy audits for several area manufacturers and provided suggested process modifications and generated official U.S. Department of Energy reports with recommendations leading to millions of dollars in avoided utility costs.
- Developed and taught various classes at East Tennessee State University, primarily in the field of automation and robotics.
- Participated in management, design, and support roles for various engineering projects including grants, students' theses, community outreach, government contracts, and competitions.

Education

- M.S., Engineering Technology, August 2008
Thesis: "ETSU GearUp: The design and development of an alternative energy greenhouse."
East Tennessee State University, Johnson City, TN
- B.S., Electrical Engineering Technology, December 2006
East Tennessee State University, Johnson City, TN
- A.A.S., Electrical/Electronic Engineering Technology, May 2003
Chattanooga State Technical Community College, Chattanooga, TN

Employment History

- Lecturer for Engineering Technology Programs
East Tennessee State University, Johnson City, TN (August 2011 – present)
- Energy Assessment Auditor (intermittent contract work)
University of Tennessee Center for Industrial Services, Knoxville, TN (June 2010 – present)
- Energy Assessment Auditor and Trainer
Industrial Assessment Center at ETSU, Johnson City, TN (January 2007 – present)
- Full-Time Adjunct Professor for Engineering Technology Programs
East Tennessee State University, Johnson City, TN (August 2008 – August 2011)
- Graduate Teaching Assistant/Research Assistant/Full Scholarship
East Tennessee State University, Johnson City, TN (January 2007 – August 2008)

Selected Coursework

Electronics, Circuit Design, CADD, Microcontrollers, Fiber Optic and Wireless Communications, Energy Efficiency, Power Systems, Product Design (DFMA), Entrepreneurship, CIM, Robotics, Automation, Ergonomics, Process Optimization, Quality Assurance, Manufacturing Systems

Selected Skills

MS Office, AutoCAD, Rhino 3D, SolidWorks, Multisim, PSPICE, LabVIEW, MATLAB, SAS, SPSS, EIA 274/G-Code, SPEL, WinCAPS, RoboRealm, C/#/++, BASIC, Python, Java, JavaScript, SQL, HTML, Siemens & Allen Bradley PLCs

