**Ryan Smith**

Training Specialist

Education/Training

**Master of Science, Mechanical Engineering/Sustainable Systems** **2012**  
University of Michigan

**Bachelor of Science, Mechanical Engineering** **2007**  
Lawrence Technological University

Instructional Experience

**American Trainco 2015 - present**Conducts electrical training seminars, assessing the training needs and comprehension of the students, preparing training material and agenda, continually enhancing technical instructional delivery and presentation skills, adjusting course content in accordance with business needs and regulatory requirements, and ensuring the quality of the course content throughout a course life cycle.

**Lead Technical Trainer (Clean Tech Inc) 2012 - 2015**  
Created and delivered a comprehensive technical training program throughout 200-employee manufacturing plant, including writing detailed Job Safety Analyses (JSA), standard operating procedures with pictures, training manuals and visual tools for proper machine operation. Led the employee onboarding process, providing full orientation classes, with hands-on training and coaching. Provided company-wide safety training for HazCom, Fall Protection, Lockout/Tagout, and Confined Space Entry.

**Training Programs Manager (RTI International)** **2012**  
Planned training programs in engineering and agriculture for Liberian high school and college students. Taught courses in engineering, computer skills, and math during the EHELD Fast Start and Summer Start programs.

Technical Experience

**Project Manager (NextEnergy Center)** **2007 - 2011**  
Nonprofit renewable energy business accelerator. Managed renewable energy installations and equipment in an ISO14001 certified facility and developed national hydrogen permitting safety codes and standards, collaborating with industry leaders.

**Project Team Lead (Swedish Biogas International) 2010-2012**  
Constructed a life-cycle assessment model to evaluate environmental impacts of an emerging wastewater treatment operation, which includes anaerobic digestion, biogas electricity production, and upgrading to biomethane. Analyzed operational data to find ways to reduce natural gas and electricity use to reduce environmental footprint. Investigated the safest value-added uses and markets for solid waste products, using cost and emissions criteria.