

Professional Profile @ A Glance

Applicable college course work and certifications

- Physics: Mechanics
- Physics: Electricity & Magnetism
- Computing: Engineering & Science
- Analysis of Data
- Mechanics for Materials
- Thermodynamics of Materials
- Thermal-Mechanical Behavior of Materials
- Kinetic Processes in Materials
- Plastics Engineering
- Project 2007 Advanced
- ANSYS FEA Certification
- LabVIEW Developer

Professional Experience

ORNL

05/2004 – Present

Sample Environment Group

Scientific Associate

Achievements:

- Nominated for “Outstanding Female in Research” by ORNL in 2007
- Received “Outstanding Mentor Award” from ORNL in 2008

Responsibilities:

- SE Communications Manager (SharePoint and Website)
- Safety Documentation Writer/Manager (RSS, SERR, etc.)
- Equipment testing and validation (as received and after mod testing and reporting)
- Research, design, and write specification for new equipment
- Publish technical paper, present posters, and participate in neutron scattering science workshops and seminars
- Project management (Sapphire Cell and Tube Furnace, TiZr Cell, POWGEN furnace and gas insert/TGA, and many more)

BWXT Y-12

8/2001 – 4/2004

Process EngineerResponsibilities:

- Process maintenance and development coordinator
- Readiness and Process Start-up documentation writer
- Analyzed process data for operational limits (translating to production rates, proof of readiness)
- Scheduled decommissioning, and installation work (created work packages)

Education

University of IL at Urbana-Champaign

Bachelors of Science in Materials Science and EngineeringMay 2001
