

Sean Terrill

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Objective

To apply my existing engineering acumen to real-world problems while continuing my education and developing new skills.

Experience

Purdue University, West Lafayette, IN

Research Assistant, August 2007 to May 2009

Conducted computational modeling and software development in support of Homeland Security program for nuclear materials detection.

National Atomic Energy Commission, Buenos Aires, Argentina

Research Assistant, December 2008

Performed computational modeling, calculations, and materials testing for neutron irradiation studies of cancerous tumors.

Oak Ridge National Laboratory, Oak Ridge, TN

Intern, May 2005 to August 2006

Compiled existing data and developed software for modeling long-term physical performance of experimental reactor fuels.

Intern, June to August 2004

Developed and operated computer modeling and tracking algorithm for foreign nuclear fuel safeguards verification.

Publications

“**A Multisignal Detection of Hazardous Materials for Homeland Security**”. *Nuclear Technology and Radiation Protection*, Vol 24, No 1. April 2009.

“**Modification of TRANSURANUS for High-Burnup Thoria/Urania Fuels**”. *ORNL/MD/LTR-287*. August 2005.

Education

Two Semesters of MS Studies

Purdue University, West Lafayette, IN

May 2008

GPA: 2.93

Bachelor of Science in Nuclear Engineering

Purdue University, West Lafayette, IN

May 2007

GPA: 2.77

Skills and Awards

- Experienced in operation of and development for SCALE, MCNP, Geant4, and Transuranus code packages
- Experienced user of desktop PC software including Windows, Mac OS, UNIX, Microsoft Office, MATLAB, C/C++, FORTRAN, Java, PHP, and HTML
- Excellent verbal and written communications skills in English, French, and Spanish