

- Developed Monte Carlo N-Particle transport code (MCNP) model for the generation, transmission and detection of low to medium energy photons in various mediums to characterize deposition, decay, and effects of naturally occurring meteorological radiation.
- Analyzed model data and performed comparison against experimental data.

Engineering Intern

Summer 2008

Ricky Summit Consulting, Knoxville, TN

- Performed fire safety analyses for the KerkKraftwerks BWR plant in Muhleberg, Switzerland.

COMMUNITY SERVICE

Organized and directed a number of University of Tennessee Fencing Club charity events, including a Blood Drive, River Clean Up and participation in the *Boo at the Zoo* event at the Knoxville Zoo.

EXTRA- CURRICULAR ACTIVITIES

Elected *President*, UTK Fencing Club

2008

Elected *Armorer*, UTK Fencing Club

2007

Led several beginners' and intermediate fencing courses for Smoky Mountain Fencing