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**Name**

Street address- City, State Zip - phone - email

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**EDUCATIONAL EXPERIENCE**

*University of South Carolina, Columbia, SC (Anticipated December 2010)*

- Master of Science in Nuclear Engineering
- Projected GPA 3.0 (Spring 2010)

*University of South Carolina, Honors College, Columbia, SC (May 2009)*

- Bachelor of Science in Mechanical Engineering
- Cumulative GPA 3.148 (Cumulative Undergraduate GPA 3.253)

**RELATED EXPERIENCE**

*Westinghouse, Columbia, SC (2009-Present)*

***Criticality Engineering Intern***

- Completed and updated the development and analysis of SCALE criticality simulations and validations required to determine the safety of several packages used in nuclear fuel transport
- Authored criticality calculation note issued for new package design

*University of South Carolina, Columbia, SC (2007-Present)*

***Research Assistant in Department of Nuclear Engineering***

- Utilized SCALE and NESTLE codes in developing a PWR core that accurately simulates a currently operating reactor to serve as a benchmark for modeling future fuel compositions
- Developed a graphical user interface using National Instruments LabVIEW for the safe operation of a device used in producing TRISO nuclear fuel particles

**RELEVANT SKILLS AND QUALIFICATIONS**

***Nuclear Engineering Software:*** SCALE, TSUNAMI, MCNP, SOURCES4C, NESTLE, NJOY

***General Engineering Software:*** MathCad, EES, MATLAB, Pro-E, and Solidworks

***Programming:*** C++ and LabView

***Certifications:*** Radiation Safety – USC, Fundamentals of Engineering – South Carolina

**LEADERSHIP AND COMMUNICATIONS EXPERIENCE**

***Leadership Development – Positions Held***

- President – *American Nuclear Society, University of South Carolina*
- President – *Engineering Living and Learning Community*
- President – *Lake Norman Gavel Club, Toastmasters*
- Junior Assistant Scoutmaster – *Boy Scouts of America*
- Governor – *TeenPact North Carolina*

***Communications Development – Customer Service***

- Advertising and Marketing – *Palmetto Swing Dance Association*
- Resident Advisor – *University of South Carolina*
- Conference Assistant – *University of South Carolina*
- Office Assistant – *The Arts Experience, Carolina Steel and Stone*

***Communications Development – Training and Educating***

- Teaching Assistant – *University of South Carolina*
- Warehouse Associate – *Timeless Texts*
- OSHA Training Overseer – *Carolina Steel and Stone*

**AWARDS AND HONORS**

- *Eagle Scout*
- *Competent Toastmaster*
- *Robert Maher Memorial Scholar, in Research*
- *Duke Energy Scholar*
- *University of South Carolina Cooper Scholar*
- *Michell Community College Best in Physics Dept, 2005*
- *Resident Adviser of the Year, Horseshoe Area*
- *Member of Eta Sigma Alpha National Honors Society, Zeta Epsilon Chapter*