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CHELSEA D'ANGELO

Work Information
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WORK & RESEARCH EXPERIENCE

Los Alamos National Laboratory, P.O. Box 1663, Los Alamos, New Mexico, 87545

MAY 2011 - JULY 2012

(2) Post-Bachelor's/Graduate Research Assistant: *W-13: Advanced Engineering Analysis*

- Created training material for generating Abaqus/CAE geometries for use with the unstructured mesh capability of MCNP6
- Tested new features added to the unstructured mesh capability
- Assisted with experiment setup and maintenance in the Ion Beam Materials Lab
- Performed MCNP6 calculations in support of experiments at Ion Beam Materials Lab

University of Wisconsin - Madison, 1500 Engineering Dr., Madison, Wisconsin, 53705

AUG 2012 - PRESENT

Graduate Research Assistant: *Nuclear Engineering and Engineering Physics*

- Thesis topic: Automated Monte Carlo variance reduction for multiphysics processes occurring in dynamic systems
- NASA
- FNSF
- Compared MCNP6 unstructured mesh capability to use of polygon mesh geometry with DAGMCNP

COMPUTER SKILLS

Linux, C++, Bash, Python, Matlab, Fortran, Git, Latex, MCNP, Fluka, Abaqus/CAE, Cubit, VisIt, Microsoft Office

EDUCATION

AUG 2018, EXPECTED
DEC 2014
MAY 2011

Ph.D., Nuclear Engineering & Engineering Physics, University of Wisconsin-Madison
M.S., Nuclear Engineering & Engineering Physics, University of Wisconsin-Madison, GPA: 3.85
B.S., Chemical Engineering, University of Pittsburgh, Major GPA: 3.67, Cumulative GPA: 3.21

CLASSES & TRAININGS

- I. "Dale Carnegie Training", (Los Alamos, New Mexico). August, 2011
- II. "Introduction to Abaqus", (Minneapolis, Minnesota). June, 2011
- III. "MCNP5 Beginner Workshop", (Los Alamos, New Mexico). May, 2010