

Sarah M. Davis

EDUCATION

The University of Tennessee, Knoxville
Master's and Bachelor's Degrees
Honors Nuclear Engineering
UG GPA: 3.78/4.0
Grad GPA: 3.92/4.0

Knoxville, Tennessee
August 2019

EXPERIENCE

Enercon Services, Inc.

Safety Analysis Engineer

- Prepare calculations, evaluations, engineering change packages and licensing documents associated with nuclear safety analysis
- Verify technical accuracy of calculations, evaluations, models, and licensing documents in accordance with regulatory requirements and procedures
- Perform shielding and radiological evaluations using diverse methods and models for environmental qualification, spent fuel storage and shielding design

Kennesaw, GA
August 2019 - Present

University of Tennessee

Graduate Research Assistant

- Design and optimize UTK's new fast neutron source
- Create and run various input files for MCNP
- Plot and compare various spectra

Knoxville, Tennessee
August 2018 - 2019

Oak Ridge National Laboratory

NESLS Intern

- Examine the effects of accelerated aging of cables
- Prep and test cable samples from various NPP
- Interact with various ORNL employees
- Present research at various conferences

Oak Ridge, Tennessee
May 2016 - August 2018

HONORS/AWARDS

2018 Nuclear Department's Outstanding Undergraduate Researcher
UTK Chancellor's Honors Program
College of Engineering Cook Grand Challenge Scholars Honors Program
NRC Scholarship
Dean's List 2014-2019, *Magna Cum Laude*

ACTIVITIES

NAYGN DE&I Committee Chair
ENERCON's NAYGN Social Events Chair
ENERCON's WIN Networking Chair
ENERCON's DE&I Committee Co-Lead

SKILLS

Proficient in written and oral Spanish
Proficient in RADTRAD, ARCON96, MATLAB, Fortran and MCNP Software