Abigail L. Till		
tillal@ornl.gov	(Abby) (615) 739-0722	Oak Ridge, TN 37831-6051
Design experiments for irradiation in the C management responsibilities include tempe experiments ensuring failure conditions ca maintaining fabrication documentation for acquirement/fabrication and the experiment	erature analysis of the experim nnot be met during the experim experiments to guarantee qua	nent, safety basis calculations for ment's radiation cycle, producing and
PROFESSIONAL EXPERIENCE		
 Associate Staff Irradiation Engineer Oak Ridge National Laboratory Lead irradiation programs for radio production, graphite qualification, a Aid in technical reviews for safety Train other colleagues on Irradiation 	and FeCrAl cladding calculations and drawings	
 Graduate Research Assistant <i>Tennessee Technological University</i> Conducted microscopy work include Tensile tested on Instron 5948 and Analyzed test data to produce FEA 	ADMET	
 Undergraduate Research Assistant <i>Tennessee Technological University</i> Examined fractography of prematu Assisted in conducting CTE tests of 	-	January 2019 - May 2019 al cycling
 Supply Chain Management Intern Y-12 National Security Complex Developed Voice of Customer surv Gathered and analyzed results for e Brainstormed potential improveme 	easier understanding	
 Product Engineering Intern Lochinvar, LLC Researched and developed a sound Evaluated statistics from failed and Audited a bill of materials for a new 	returned units	May 2018 - August 2018 dential boiler
EDUCATION		
Master of Science in Mechanical Enginee Tennessee Technological University Thesis: Creep Behavior of Eutectic Tin-L	-	May 2022
Bachelor of Mechanical Engineering Minor Mathematics Tennessee Technological University		May 2019

SKILLS

Computer languages, applications, and machinery: AutoCAD, Carlson Survey, Autodesk Inventor, SolidWorks, R Statistics, Abaqus (Novice User), ANSYS, MATLAB, Microsoft Office, Instron5948, TMA, DMA, ADMET, E-SEM

AWARDS AND ACADEMIC HONORS

- Professional Certificate in Nuclear Security Fundamentals (2021)
- Graduated Cum Laude (2019)
- Order of the Engineer (2019)
- Pi Tau Sigma Mechanical Engineering Honor Society (2018)
 Chapter President (2020-2021)
- Kappa Mu Epsilon National Mathematics Honor Society (2017)

PUBLICATIONS

Till, A. L., Schrell, A. M., Geringer, J. W., Campbell, A. A., *X-energy Irradiation Status Update 2023*, ORNL/LTR2023/3078, 2023.