

Daniel Hellfeld

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OBJECTIVE	To conduct scientific research in the field of nuclear engineering, specifically in the areas of radiation detection and imaging with applications in nuclear security and safeguards.	
EDUCATION	Doctor of Philosophy (PhD) , Nuclear Engineering (4.0/4.0) <i>University of California, Berkeley</i>	Aug 2015 - Present Berkeley, CA
	Master of Science (MS) , Nuclear Engineering (4.0/4.0) <i>Texas A&M University</i>	Aug 2013 - May 2015 College Station, TX
	Bachelor of Science (BS) , Physics (3.89/4.0) <i>University of California, Santa Barbara</i>	Sep 2009 - Jun 2013 Santa Barbara, CA
RESEARCH EXPERIENCE	NSSC Graduate Research Fellow <i>Nuclear Science and Security Consortium, UC Berkeley</i>	Aug 2015 - Present Berkeley, CA
	Graduate Student Intern <i>Rare Event Detection, NACS, Lawrence Livermore National Laboratory</i>	Jun 2015 - Jul 2015 Livermore, CA
	NSSC Graduate Research Fellow <i>Nuclear Science and Security Consortium, UC Berkeley</i>	Nov 2014 - May 2015 Berkeley, CA
	Graduate Student Intern <i>Rare Event Detection, NACS, Lawrence Livermore National Laboratory</i>	Jun 2014 - Aug 2014 Livermore, CA
	Graduate Research Assistant <i>Department of Nuclear Engineering, Texas A&M University</i>	Sep 2013 - Nov 2014 College Station, TX
TEACHING EXPERIENCE	Lab Instructor <i>Department of Nuclear Engineering, Texas A&M University</i>	Sep 2014 - Dec 2014 College Station, TX
	Math/Physics Tutor <i>Campus Learning and Assistance Services, UC Santa Barbara</i>	Jan 2013 - Mar 2013 Santa Barbara, CA
SCIENTIFIC COMPUTING SKILLS	Languages: Mathematical/Analysis Software: Monte Carlo Particle Transport Software: Nuclear Burnup Software: Gamma Spectroscopy Software: Build Systems: Operating Systems: Databases: Documentation: Version Control: Other Software:	Python, C++, C, bash, XML ROOT, Mathematica, Matlab Geant4, MCNP5/X, Serpent ORIGEN2, CINDER-90, TransLAT GENIE-2000, MAESTRO, GammaVision, PeakEasy make, CMake macOS, Linux (Ubuntu), Windows HDF5, SQL Doxygen, Sphinx git L ^A T _E X, MS Office
AWARDS	Runner-up NSS Student Paper Competition, IEEE NSS-MIC Valentin T. Jordanov Rad. Instrum. Travel Grant, IEEE NSS-MIC Best Oral Presentation, University Program Review Meeting JD Williams Best Poster Award, INMM Annual Meeting Nuclear Science and Security Consortium Fellowship, UC Berkeley Graduate Enhancement Fellowship, Texas A&M University Highest Academic Honor Award, UC Santa Barbara, Physics Dept. Highest Honors, UC Santa Barbara	Oct 2017 Aug 2017 Jun 2017 Jul 2015 Nov 2014 Aug 2013 May 2013 May 2013