

Daniel Hellfeld, Ph.D.

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EDUCATION	Doctor of Philosophy (Ph.D.) , Nuclear Engineering (4.0/4.0) <i>University of California, Berkeley</i>	Aug 2015 - Jul 2019 <i>Berkeley, CA</i>
	Master of Science (M.S.) , Nuclear Engineering (4.0/4.0) <i>Texas A&M University</i>	Aug 2013 - May 2015 <i>College Station, TX</i>
	Bachelor of Science (B.S.) , Physics (3.89/4.0) <i>University of California, Santa Barbara</i>	Sep 2009 - Jun 2013 <i>Santa Barbara, CA</i>
RESEARCH EXPERIENCE	Senior Scientific Engineering Associate <i>Applied Nuclear Physics Group, Lawrence Berkeley National Lab</i>	Aug 2019 - Present <i>Berkeley, CA</i>
	Research Fellow <i>Nuclear Science and Security Consortium, UC Berkeley</i>	Nov 2014 - Jul 2019 <i>Berkeley, CA</i>
	Physics Intern <i>Rare Event Detection Group, Lawrence Livermore National Lab</i>	Jun - Aug 2015/2014 <i>Livermore, CA</i>
	Graduate Research Assistant <i>Department of Nuclear Engineering, Texas A&M University</i>	Sep 2013 - Nov 2014 <i>College Station, TX</i>
TEACHING EXPERIENCE	Stand-in Lecturer <i>Department of Nuclear Engineering, UC Berkeley</i> NE 104 (Spring 2018), NE 107 (Fall 2018)	Jan - May / Sep - Nov 2018 <i>Berkeley, CA</i>
	Lab Instructor <i>Department of Nuclear Engineering, Texas A&M University</i> NE 605 (Fall 2014)	Sep - Dec 2014 <i>College Station, TX</i>
SCIENTIFIC COMPUTING SKILLS	Languages: Monte Carlo Transport: Build Systems: Operating Systems: Robotics: Databases: Markup: Version Control: Other Software:	Python, C/C++, bash Geant4, MCNP5/X, Serpent make, CMake macOS, Linux, Windows ROS HDF5, SQL Markdown, XML, HTML git L ^A T _E X, MS Office
AWARDS	R&D 100 Award Winner (PRISM) , R&D World Magazine, WTW Media Best Paper - Radiation Detection , UC Berkeley NE Dept. Valentin T. Jordanov Rad. Instrum. Travel Grant , IEEE NSS-MIC 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	Nov 2019 Dec 2018 Aug 2018 Oct 2017 Aug 2017 Jun 2017 Jul 2015 Nov 2014 Aug 2013 May 2013 May 2013
REFERENCES	<i>Available upon request.</i>	