

# Daniel Hellfeld, Ph.D.

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CONTACT	Lawrence Berkeley National Laboratory 1 Cyclotron Rd. (B50 - 4036R) Berkeley, CA 94720	1.949.680.9345 dhellfeld@lbl.gov   dhellfeld.github.io
EDUCATION	<b>Doctor of Philosophy (Ph.D.)</b> , Nuclear Engineering (4.0/4.0) <i>University of California, Berkeley</i>	<b>Aug 2015 - Jul 2019</b> <i>Berkeley, CA</i>
	<b>Master of Science (M.S.)</b> , Nuclear Engineering (4.0/4.0) <i>Texas A&amp;M University</i>	<b>Aug 2013 - May 2015</b> <i>College Station, TX</i>
	<b>Bachelor of Science (B.S.)</b> , Physics (3.89/4.0) <i>University of California, Santa Barbara</i>	<b>Sep 2009 - Jun 2013</b> <i>Santa Barbara, CA</i>
RESEARCH EXPERIENCE	<b>Senior Scientific Engineering Associate</b> <i>Applied Nuclear Physics Group, Lawrence Berkeley National Lab</i>	<b>Aug 2019 - Present</b> <i>Berkeley, CA</i>
	<b>Research Fellow</b> <i>Nuclear Science and Security Consortium, UC Berkeley</i>	<b>Nov 2014 - Jul 2019</b> <i>Berkeley, CA</i>
	<b>Physics Intern</b> <i>Rare Event Detection Group, Lawrence Livermore National Lab</i>	<b>Jun - Aug 2015/2014</b> <i>Livermore, CA</i>
	<b>Graduate Research Assistant</b> <i>Department of Nuclear Engineering, Texas A&amp;M University</i>	<b>Sep 2013 - Nov 2014</b> <i>College Station, TX</i>
TEACHING EXPERIENCE	<b>Stand-in Lecturer</b> <i>Department of Nuclear Engineering, UC Berkeley</i> NE 104 (Spring 2018), NE 107 (Fall 2018)	<b>Jan - May / Sep - Nov 2018</b> <i>Berkeley, CA</i>
	<b>Lab Instructor</b> <i>Department of Nuclear Engineering, Texas A&amp;M University</i> NE 605 (Fall 2014)	<b>Sep - Dec 2014</b> <i>College Station, TX</i>
SCIENTIFIC COMPUTING SKILLS	<b>Languages:</b> <b>Monte Carlo Transport:</b> <b>Build Systems:</b> <b>Operating Systems:</b> <b>Robotics:</b> <b>Databases:</b> <b>Markup:</b> <b>Version Control:</b> <b>Other Software:</b>	Python, C/C++, bash Geant4, MCNP5/X, Serpent make, CMake macOS, Linux, Windows ROS HDF5, SQL Markdown, XML, HTML git (hub, lab) L <sup>A</sup> T <sub>E</sub> X, MS Office
AWARDS	<b>Best Paper - Radiation Detection</b> , UC Berkeley NE Dept. <b>Valentin T. Jordanov Rad. Instrum. Travel Grant</b> , IEEE NSS-MIC <b>Runner-up NSS Student Paper Competition</b> , IEEE NSS-MIC <b>Valentin T. Jordanov Rad. Instrum. Travel Grant</b> , IEEE NSS-MIC <b>Best Oral Presentation</b> , University Program Review Meeting <b>JD Williams Best Poster Award</b> , INMM Annual Meeting <b>Nuclear Science and Security Consortium Fellowship</b> , UC Berkeley <b>Graduate Enhancement Fellowship</b> , Texas A&M University <b>Highest Academic Honor Award</b> , UC Santa Barbara, Physics Dept. <b>Highest Honors</b> , UC Santa Barbara	<b>Dec 2018</b> <b>Aug 2018</b> <b>Oct 2017</b> <b>Aug 2017</b> <b>Jun 2017</b> <b>Jul 2015</b> <b>Nov 2014</b> <b>Aug 2013</b> <b>May 2013</b> <b>May 2013</b>
REFERENCES	<i>Available upon request.</i>	