

# SCOTT WERWATH

2400 Durant Ave, Spens Black 405 ◊ Berkeley, California 94720  
(804) · 380 · 1188 ◊ swerwath@berkeley.edu

## TECHNICAL SKILLS

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<b>Computer Languages</b>	Java, C, HTML5, PHP, Python, L <sup>A</sup> T <sub>E</sub> X
<b>Databases</b>	MySQL
<b>Tools</b>	Emacs, Eclipse, Git, Microsoft Excel

## EDUCATION

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<b>University of California, Berkeley</b>	<i>Expected Graduation: May 2019</i>
Bachelor of Science: Electrical Engineering & Computer Science, Nuclear Engineering	
GPA: 3.90 (Dean's Honors)	
Active member of Berkeley's American Nuclear Society (ANS) chapter	
<b>Carnegie Mellon University</b>	<i>Summer 2014</i>
Summer Courses	
GPA: 4.00	

## EXPERIENCE

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<b>UC Berkeley Department of Nuclear Engineering</b>	Starting January 2016
<i>DoseNet Research Developer</i>	<i>Berkeley, CA</i>
<ul style="list-style-type: none"><li>· Will maintain code base for wireless dosimeters to monitor real-time Bay Area radiation levels.</li><li>· Will upgrade Raspberry Pi hardware to include temperature and CO<sub>2</sub> sensors.</li><li>· Will develop educational user interface to teach high school students about radiation monitoring.</li></ul>	
<b>The Collegiate School</b>	Summer 2013
<i>IT Assistant</i>	<i>Richmond, VA</i>
<ul style="list-style-type: none"><li>· Imaged and packaged leased iMacs and Chromebooks for return according to leaser's specifications.</li><li>· Deployed new Macbooks for use by students on school network.</li><li>· Oversaw migration and set up of wireless network routers and modems to new building.</li></ul>	

## VOLUNTEERING

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<b>Powell Economic Education Foundation</b>	Fall 2012–Fall 2015
<i>Website Developer and Database Administrator</i>	<i>Richmond, VA</i>
<ul style="list-style-type: none"><li>· Designed, built, and launched a new website for the Foundation using Bootstrap framework for HTML5.</li><li>· Created and managed database for applicants to apply to PEEF's summer internship program using PHP and MySQL.</li><li>· Instructed Foundation faculty in the use of new database system.</li></ul>	
<b>The Elk Hill School</b>	Summer 2012
<i>Eagle Scout Project</i>	<i>Charlottesville, VA</i>
<ul style="list-style-type: none"><li>· Sourced refurbished laptops from a local business.</li><li>· Managed sorting of over 400 age-appropriate books and bookshelves.</li><li>· Oversaw deployment of computer lab and library for student use</li></ul>	

## RELEVANT COURSEWORK

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### **Carnegie Mellon University**

*Summer 2014*

- 15-122 (Principles of Imperative Computation in C)
- 21-127 (Concepts of Mathematics)

### **University of California, Berkeley**

*Fall 2015*

- CS 61B (Data Structures in Java)
- EE 16A (Designing Information Devices and Systems I)

*Spring 2016 (In Progress)*

- Math 53 (Multivariable Calculus)
- Physics 7B (Physics for Engineers II)
- EE 16B (Designing Information Devices and Systems II)
- CS 198-02 (Directed Studies for Advanced Undergraduates: Computational Game Theory)
- CS 198-47 (Ruby on Rails)
- NE 24 (Nuclear Engineering Seminar)

## TEACHING

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### **UC Berkeley Department of Electrical Engineering**

*Academic Intern (Lab Assistant)*

Spring 2016

*Berkeley, CA*

- Trained students in use of laboratory equipment
- Assisted students in developing core engineering skills, such as breadboarding and soldering.
- Tested and proofread lab documentation