

SCOTT WERWATH

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TECHNICAL SKILLS

Computer Languages	Python, Java, C, HTML5, L ^A T _E X
Frameworks	Rails, MPI, NumPy, Bootstrap
Tools	Git, Microsoft Excel

EDUCATION

University of California, Berkeley	<i>September 2015–December 2018</i>
Bachelor of Science, Electrical Engineering & Computer Science	<i>GPA: 3.90</i>
Minor: Linguistics	
Project manager for Engineers Without Borders	

EXPERIENCE

Undergraduate Researcher	January 2016–Present
<i>UC Berkeley Computer Sciences Division, Computational Game Theory Group</i>	<i>Berkeley, CA</i>

Identified main challenges in developing game solvers on distributed computing systems

Developing generalized algorithm for solving abstract strategy games on distributed systems using MPI

Will deploy algorithm to the Savio Supercomputing Cluster for testing and analysis

Research Developer	February 2016–Present
<i>UC Berkeley Department of Nuclear Engineering, DoseNet Project</i>	<i>Berkeley, CA</i>

Maintaining code base for wireless dosimeters to monitor real-time Bay Area radiation levels.

Upgrading Raspberry Pi hardware to include temperature and CO₂ sensors.

Developing user interface to teach high school students about micro controllers and radiation detection.

Academic Intern	January 2016–Present
<i>UC Berkeley Electrical Engineering Division</i>	<i>Berkeley, CA</i>

Trained students in use of laboratory equipment and NumPy for signal processing

Coached students in developing core engineering skills, such as circuit design and soldering.

Tested and proofread lab documentation

VOLUNTEERING

Website Developer, Database Administrator	September 2012–May 2015
<i>Powell Economic Education Foundation</i>	<i>Richmond, VA</i>

Designed, built, and launched a new website for the Foundation using Bootstrap framework for HTML5.

Built and managed database for applications to PEEF's summer internship program in PHP and MySQL.

Instructed Foundation faculty in the use of new database system.

Eagle Scout Project	April–August 2012
<i>The Elk Hill School</i>	<i>Charlottesville, VA</i>

Sourced refurbished laptops from a local business.

Managed sorting of over 400 age-appropriate books and bookshelves.

Oversaw deployment of computer lab and library for student use