

# SCOTT WERWATH

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## TECHNICAL SKILLS

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<b>Languages</b>	Python, Java, C, Ruby, HTML5, Elixir
<b>Frameworks</b>	Rails, MPI, NumPy
<b>Tools</b>	Git, Electrical Engineering Lab Skills

## EDUCATION

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<b>University of California, Berkeley</b>	<i>September 2015–December 2018</i>
Bachelor of Science, Electrical Engineering & Computer Science	<i>GPA: 3.90</i>
Minor: Linguistics	

## EXPERIENCE

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<b>Software Engineering Intern</b>	Summer 2016
<i>SolarCity</i>	<i>San Francisco, CA</i>

Independently working on building back-end web server architecture in Elixir  
Working with engineering teams to integrate my new systems with existing C# codebase

<b>Undergraduate Researcher</b>	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  
Developed generalized algorithm for solving abstract strategy games on distributed systems using MPI  
Deployed algorithm to the Savio Supercomputing Cluster for testing and analysis

<b>Research Developer</b>	February 2016–Present
<i>UC Berkeley Department of Nuclear Engineering, RadWatch 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 CO<sub>2</sub> sensors.

<b>Academic Intern</b>	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 prototyping.  
Tested and proofread lab documentation

## VOLUNTEERING

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<b>Website Developer, Database Administrator</b>	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.

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

Sourced refurbished laptops from a local business.  
Oversaw deployment of computer lab and library for student use