

SCOTT WERWATH

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TECHNICAL SKILLS

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

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	

EXPERIENCE

Software Engineering Intern	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

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
Developed generalized algorithm for solving abstract strategy games on distributed systems using MPI
Deployed algorithm to the Savio Supercomputing Cluster for testing and analysis

Research Developer	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 CO₂ sensors.

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 prototyping.
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.
Oversaw deployment of computer lab and library for student use