

SCOTT WERWATH

1930 Channing Way, Apt. 3E ◊ Berkeley, California 94704
(804) 380-1188 ◊ sbw@berkeley.edu ◊ swerwath.github.io

TECHNICAL SKILLS

Languages Python, C#, Javascript, Ruby, HTML5, SQL
Frameworks Node, .NET, Angular, Rails, Redis, RabbitMQ

EDUCATION

University of California, Berkeley *September 2015–December 2018*
Bachelor of Science, Electrical Engineering & Computer Science *GPA: 3.90*
Minor: Linguistics

EXPERIENCE

Software Engineering Intern *June 2016–Present*
SolarCity San Francisco, CA

Designed and built web socket microservice for use by multiple customer-facing applications
Implemented internal libraries to interface with centralized messaging queue
Refactored customer-facing API, reducing average response time by 75%

Undergraduate Researcher *January 2016–Present*
UC Berkeley Computer Sciences Division, Computational Game Theory Group Berkeley, CA

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*
UC Berkeley Department of Nuclear Engineering, RadWatch Project Berkeley, CA

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*
UC Berkeley Electrical Engineering Division Berkeley, CA

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*
Powell Economic Education Foundation Richmond, VA

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*
The Elk Hill School Charlottesville, VA

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