

SCOTT WERWATH

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

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>Expected Graduation: December 2018</i> |
| Bachelor of Science: Electrical Engineering & Computer Science, Nuclear Engineering | |
| GPA: 3.90 (Dean's Honors) | |
| Member of American Nuclear Society, member of Engineers Without Borders | |
| Carnegie Mellon University | <i>Summer 2014</i> |
| Summer Courses | |
| GPA: 4.00 | |

EXPERIENCE

| | |
|---|-----------------------|
| UC Berkeley Computer Sciences Division | January 2016—Present |
| <i>Undergraduate Researcher, Computational Game Theory Group</i> | <i>Berkeley, CA</i> |
| <ul style="list-style-type: none">· 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 | |
| UC Berkeley Department of Nuclear Engineering | February 2016—Present |
| <i>DoseNet Developer, RadWatch Project</i> | <i>Berkeley, CA</i> |
| <ul style="list-style-type: none">· 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. | |

VOLUNTEERING

| | |
|--|----------------------------|
| Powell Economic Education Foundation | September 2012—May 2015 |
| <i>Website Developer and Database Administrator</i> | <i>Richmond, VA</i> |
| <ul style="list-style-type: none">· Designed, built, and launched a new website for the Foundation using Bootstrap framework for HTML5.· Created and managed database for applicants to apply to PEEF's summer internship program using PHP and MySQL.· Instructed Foundation faculty in the use of new database system. | |
| The Elk Hill School | Summer 2012 |
| <i>Eagle Scout Project</i> | <i>Charlottesville, VA</i> |
| <ul style="list-style-type: none">· 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 | |

RELEVANT COURSEWORK

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)

- EE 16B (Designing Information Devices and Systems II)
- CS 198-47 (Ruby on Rails)

TEACHING

UC Berkeley Department of Electrical Engineering

Academic Intern, Lab Assistant

January 2016—Present

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 soldering.
- Tested and proofread lab documentation