SCOTT WERWATH

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TECHNICAL SKILLS

Computer Languages	Python, Java, C, HTML5, LaTeX
Frameworks	Rails, MPI, NumPy, Bootstrap
Tools	Git, Microsoft Excel

EDUCATION

University of California, Berkeley *Expected Graduation: December 2018*
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

EXPERIENCE

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
- 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

DoseNet 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 CO_2 sensors.
- Developing user interface to teach high school students about micro controllers and radiation detection.

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.
- 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.

Eagle Scout Project Summer 2012
The Elk Hill School *Charlottesville, VA*

- 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 January 2016–Present
Academic Intern, Lab Assistant *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