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 — *September 2015–December 2018*

Bachelor of Science, Electrical Engineering & Computer Science — *GPA: 3.90*

Minor: Linguistics

Project manager for 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

Research Developer — February 2016–Present

UC Berkeley Department of Nuclear Engineering, DoseNet 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.

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.

Managed sorting of over 400 age-appropriate books and bookshelves.

Oversaw deployment of computer lab and library for student use