# 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<sub>2</sub> 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