

# SCOTT WERWATH

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## TECHNICAL SKILLS

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<b>Computer Languages</b>	Python, Java, C, HTML5, $\text{\LaTeX}$
<b>Frameworks</b>	Rails, MPI, NumPy, Bootstrap
<b>Tools</b>	Git, Microsoft Excel

## EDUCATION

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**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

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**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<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 soldering.
- Tested and proofread lab documentation

## VOLUNTEERING

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**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** 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