# SCOTT WERWATH

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#### TECHNICAL SKILLS

Languages Python, C#, Javascript, C, Java, Ruby, HTML5, SQL

Frameworks Node, .NET, Angular, Rails, Redis, RabbitMQ

## **EDUCATION**

## University of California, Berkeley

September 2015-December 2018

Bachelor of Science, Electrical Engineering & Computer Science

GPA: 3.5

Minor: Linguistics

### **EXPERIENCE**

Solar City 5 and 5

## Software Engineering Intern

June 2016—Present

San Francisco, CA

Designed and built Node.js WebSocket microservice to enable interaction with and stream data to customers and sales representatives in real time

Refactored routes in customer-facing .NET API, reducing average response time by 75%

## 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

Developed generalized algorithm for solving abstract strategy games on distributed systems using MPI

Deployed algorithm to the Savio Supercomputing Cluster for testing and analysis

## Research Developer

February 2016—Present

UC Berkeley Department of Nuclear Engineering, RadWatch Project

Berkeley, CA

Maintained code base for wireless dosimeters to monitor real-time Bay Area radiation levels.

Upgraded Raspberry Pi hardware to include temperature and CO<sub>2</sub> sensors.

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.

Oversaw deployment of computer lab and library for student use