SCOTT WERWATH

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TECHNICAL SKILLS

Languages	Python, C#, Javascript, 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

Software Engineering Intern — June 2016–Present

SolarCity — *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_2 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