

SCOTT WERWATH

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TECHNICAL SKILLS

(Descending order of experience)

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

Frameworks Node, .NET, Rails, Angular, 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.

Deployed Raspberry Pi stations to Bay Area high schools

Academic Intern

January 2016–Present

UC Berkeley Electrical Engineering Division

Berkeley, CA

Trained students in use of laboratory equipment and NumPy for signal processing.

Taught students core engineering skills, e.g. circuit design, prototyping, debugging.

Tested and proofread lab documentation.

VOLUNTEERING

D 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.

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