

SCOTT WERWATH

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TECHNICAL SKILLS

(Descending order of experience)

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

Frameworks Node, .NET, Rails, Redis, Angular

Misc. Git, WebSockets, Distributed Computing, Relational Databases

EDUCATION

University of California, Berkeley

September 2015–December 2018

Bachelor of Science, Electrical Engineering & Computer Science

Minor: Linguistics

EXPERIENCE

Software Engineering Intern

June 2016–August 2016

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, Computational Game Theory Group

January 2016–Present

UC Berkeley, Computer Sciences Division

Berkeley, CA

Identified main challenges in developing game solvers on distributed computing systems

Developed novel algorithm for solving arbitrary abstract strategy games on distributed systems using OpenMPI

Deployed algorithm to the Savio Supercomputing Cluster for testing and analysis

Academic Intern, Course Reader

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

Wrote and debugged course content, such as labs and exams, to evaluate and improve student understanding

Research Developer, RadWatch Project

February 2016–June 2016

UC Berkeley, Department of Nuclear Engineering

Berkeley, CA

Maintained code base for wireless dosimeters to monitor real-time radiation levels in the Bay Area, Fukushima, South Korea, and beyond.

Constructed dosimetry circuitry for Raspberry Pi-based monitoring stations

Deployed and tested station hardware

VOLUNTEERING

Website Developer, Database Administrator

September 2012–May 2015

Powell Economic Education Foundation

Richmond, VA

Designed, built, and launched a new website for the Powell Foundation

Built and managed database for applications to Powell's job placement program in PHP and MySQL

Instructed Powell Foundation faculty in the use of the database