

SCOTT WERWATH

1930 Channing Way, Apt. 3E ◊ Berkeley, California 94704
(804) 380-1188 ◊ sbw@berkeley.edu ◊ swerwath.github.io

TECHNICAL SKILLS

(Descending order of experience)

Languages Python, C#, Javascript, SQL, C, Java, HTML/CSS, Ruby, Elixir

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

Misc. Git, WebSockets, Distributed Computing, Agile Development, Scientific Computing

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, 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

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 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.

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

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.