SCOTT WERWATH

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

TECHNICAL SKILLS

(Ordered by experience, descending)

Languages	Python, Javascript, C, C#, Java, SQL, Ruby, Elixir
Frameworks	Node, .NET, Rails, Redis, RabbitMQ, 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

Research Developer June 2016—August 2016
UC Berkeley, Energy & Resources Group *Berkeley, CA*

Developing integrated assessment modeling libraries used by the White House, EPA, and other federal bodies to compute economic and environmental projections
Augmenting libraries to enable them to run across a distributed computing cluster

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%

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 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 radiation levels in the Bay Area and Fukushima.
Constructed dosimetry circuitry for Raspberry Pi-based monitoring stations
Deployed and tested station hardware