

Steven Rhodes

Menlo Park, CA

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650-260-5618

I've worked for the past decade in areas around cluster management, hyperscale computing, security, and base infrastructure. I enjoy automating away toil and gaining deep understanding of distributed systems and their failure modes.

Education

University of California, Berkeley

Berkeley, CA

B.S. Electrical Engineering and Computer Science

May 2013

Work Experience

Snowflake

San Mateo, CA

Senior Production Engineer (IC4)

Jan 2023 -

- Championed reliability and security across the engineering organization
- Created base infrastructure building blocks for cross-host communication
- Developed SanShell, a non-interactive daemon for host management

Google

Mountain View, CA

Staff Site Reliability Engineer (L6)

Nov 2019 - Jan 2023

- SRE for Borg, Google's cluster management system
- Focusing on machine management, operating system evolution, performance and efficiency of compute workloads, and supporting next-generation hardware
- Technical Lead for a 40-person SRE team focused on machine-level and node-level behavior in Google's production environment

Site Reliability Engineer (L4-L5)

Nov 2015 - Oct 2019

- Deployed Google's userspace networking solution and verified boot stack
- Redesigned portions of the machine management stack to eliminate global failure modes
- Implemented and rolled out a complete redesign of how system daemons, kernels, firmware, and other system-level software gets deployed, turning a monolithic release into fine-grained deployments

Intern, Software Engineer (L3)

Summer 2011 & 2012, Sept 2013 - Oct 2015

- Interned within Ads and Chat
- Worked on Adwords API and Payments Test Engineering as part of a rotation program
- Created automation for deployment and maintenance of kernels and userspace software

College Clubs

CalSol

Electrical Lead/Senior Designer

Aug 2009 - May 2013

- Designed and fabricated the electrical system for a fully solar powered car
- Successfully traveled to and competed in the World Solar Challenge in Australia in October 2011
- Led 15-25 Berkeley students working on PCB design, schematics, wiring, debugging, etc

Relevant Skills

Operating Systems: Significant experience with Linux, comfortable with macOS and Windows

Applications and Programming Languages: Go, Python, C/C++, Javascript, Java, Rust, Kubernetes, Large Distributed Systems, Shell Scripting, Protocol Buffers, SQL, Terraform, Bazel