

RUTH GRACE WONG

SAN FRANCISCO · RUTHGRACEWONG@GMAIL · (628) 209 9005 · [LINKEDIN](#)

Languages / Tools Python, Go, Bash, Amazon Web Services, Docker
Talks [Containerization War Stories](#) (SREcon), [Flamegraph that!](#) (PyCon Canada)
[Firmware from the Firehose](#) and [Mfg Engineering in Your Spare Time](#) (Hackaday)

EXPERIENCE

Senior Software Engineer - *Tech lead for server configuration, Pinterest Cloud Architecture Team*

January 2022 to June 2024

- Led technical strategy for server configuration at Pinterest, including writing road maps and advising teams on upgrades, best practices, and contingency planning.
- Increased reliability and saved costs by compressing server configs, running Puppet via Go binary, automating serverspec testing and instance launch testing, and rolling out per-cluster alerting.
- Upgraded OS on 100K+ servers via tech guidance & hands-on support for company-wide initiative.
- Improved developer velocity by speeding up Puppet Rspec testing by 4x via module parallelization.

Site Reliability Engineer - *Pinterest Core SRE Team*

July 2016 to December 2021

- Prototyped automatic machine upgrades (Python, Spinnaker, AWS) [Showcased at SREcon19 Asia](#)
- Wrote Flamegraph profiling for Python applications, automatic domain creation, dashboard improving incident response by 10 mins. Sped up and added search for image query tool.
- Set up [Python monorepo](#) (Docker, Jenkins, Artifactory). New service deploy sped up 7x.
- Supported 1000+ requests from engineers. Made self-serve tools & docs for common requests.
- On call for Pinterest uptime. Ack'd 500+ pages, often debugging unfamiliar services.
- Ran infra orientation for new engineers 2017-2018, internal educative panels, SRE book club. Contributed to 200+ internal wiki articles. Trained 10 engineers for on call. Managed contractors.

Part Time Manufacturing Engineer - *Aqua Design Innovations*

August 2018 to August 2019

- Managed factories, contractors, and vendors to maintain a 5-product line of aquaponic products.
- CAD (Fusion 360), testing, and prototyping for product development.

Site Reliability Engineer Intern - *Google Persistent Disk team*

May 2015 - August 2015

- Implemented early detection system for compaction failures in cloud storage segments

RESEARCH, WRITING, CONSULTING

Masters Thesis Formulated [new ways to calculate differences between human microbiomes](#).

Technical writing For [Scope of Work](#) and [SupplyFrame Hardware](#), mostly about manufacturing

Technical consulting Cybersecurity recommendations for FDA compliance for [PathologyWatch](#)