

Kerrick Staley

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Location Cambridge, MA

Summary

Talented and motivated machine learning engineer, with comprehensive skillset for designing, implementing, and deploying ML and statistical models, from concept to production system. Leader who coordinates team-scale projects and enables others to do their best work. Strong communicator with attention to detail.

Experience

Jan 2026 – Redwood Research
Research Fellow

Researching techniques to improve monitoring of agentic AI actions for malicious behavior.

Jan 2025 – Anthropic
Oct 2025 *Machine Learning Engineer*

Built distributed framework for pretraining frontier LLMs on 100k+ chips. Monitored, debugged, and optimized large-scale pretraining runs.

Oct 2021 – Jane Street
Nov 2024 *Software Engineer*

Created models in PyTorch and OCaml for estimating stock option fair prices. Built Python app infrastructure and deployment systems.

Nov 2015 – Lyft
Sep 2021 *Research Scientist / Software Engineer*

Led team of 3 engineers, developing algorithms to serve geospatial queries. Created and productionized new Python/C++ algorithms for driver localization using marginalized particle filters and HMMs. Built Lyft's 3rd largest microservice (250k+ peak QPS). Led embedded software work for autonomous car camera.

Jan 2013 – Google
Oct 2015 *Software Engineer / Site Reliability Engineer*

Kept a system serving 100k's of QPS and storing 100's of PiB running. Built tools to monitor performance, and re-architected server code to improve performance and reliability. Resolved outages spanning 5+ server binaries. Advised other teams on building reliable, scalable services.

Education

2010 – 2012 Iowa State University
B.S. Computer Engineering, minor in Mathematics (3.82 GPA)

Accomplishments

- Authored an enhancement proposal (which is now in effect) for the Python language, edited it according to community feedback, and engaged in community discussion.
- Qualified for the ACM International Collegiate Programming Contest, one of only 350 students worldwide.