

AARON STEINBERG

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EDUCATION

University of California, Santa Cruz

Baskin School of Engineering

Bachelor of Science, Computer Science

WORK EXPERIENCE

Security Software Engineer @ Aurora Innovation

Mar. 2024 - Present

- C, C++, Golang, Python
- Embedded Systems, Operating Systems, and Cloud Development
- Secure Boot, , Key Management, Vehicle Security, Container Image Verification, RBAC, Metrics

Contracting Security Software Engineer @ Aurora Innovation

Sep. 2023 - Mar. 2024

Consulting Software Engineer @ OrganizeMyPeople

Apr. 2023 - Sep. 2023

- PHP, Python, Javascript, SQL
- Full Stack Web Development
- Database Management and Design

Consulting Software Engineer @ Trade Oracle

Apr. 2023 - Jun. 2023

- PHP, Python, Javascript
- Full Stack Web Development and LLM Agent Development

Google Workspace Subject Matter Expert @ UCSC ITS

Dec. 2021 - Jul. 2023

- Google Workspace Admin for UC Santa Cruz

Computer Systems and C Programming Grader @ UCSC

Mar. 2021 - Jun. 2021

Help Desk Technician @ UCSC ITS

Dec. 2020 - Dec. 2021

Bioinformatics Software Engineer Intern @ Progenabiome

Jun. 2019 - Sept. 2019

PROJECTS AND PAPERS

Bflock: A C library for safer & faster file locking for concurrent IO operations.

Locally Imagined: An online art market place specialized to Santa Cruz, CA.

Tech used: Golang, GOA, React, Heroku, Amazon S3, & Postgresql.

MediBill: Medical Bill Analyzer, CruzHacks 2022 First Place Winner.

Tech used: Javascript, Python, Vue.js, Google Cloud Functions.

A Brief Survey of Data Placement in a Geo-Distributed Storage System using ML: Graduate distributed systems survey paper that explores ML-based data placement

Reverse Proxy Load Balancer: Multithreaded, logging, and cache enabled. Written in C. Uses Bflock

SKILLS

Programming Languages: C, C++, C#, Golang, Haskell, Java, Javascript, Python, PHP, SQL

Technologies and Other Skills: SSL, TLS, REST, gRPC, Terraform, Spacelift, ArgoCD, Kubernetes, Protocol Buffers, Buildkite, Docker, Bazel, CMake, Make, Trace 32, GTest, Cryptography, Key Management, Distributed Systems, Embedded Systems, Operating Systems, Secure Boot, Container Signing, Metrics, RBAC, Linux