AARON STEINBERG

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EDUCATION

University of California, Santa Cruz
Baskin School of Engineering
Bachelor of Science, Computer Science   **Sep. 2019 - Jun. 2023**

WORK EXPERIENCE

Security Software Engineer @ *Aurora Innovation*   **Mar. 2024 - Present**
Contracting Security Software Engineer @ *Aurora Innovation*   **Sep. 2023 - Mar. 2024**
- Embedded and Cloud Security
- Vehicle Security, Secure Boot, Measured Boot, Open Dice, Key Management
- Container Image Verification, Device Identification, Role Based Access Control
- C, C++, Golang, Python

Consulting Software Engineer @ *OrganizeMyPeople*   **Apr. 2023 - Sep. 2023**
- Full Stack Web Development
- Laravel, PHP, Javascript, React, MySQL

Consulting Software Engineer @ *Trade Oracle*   **Apr. 2023 - Jun. 2023**
- Full Stack Web Development and LLM Agent Integration
- Javascript, Node.js, OpenAI, PHP

Google Workspace Subject Matter Expert @ *UCSC ITS*   **Dec. 2021 - Jul. 2023**

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 & easier 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 HTTP Load Balancer: Multithreaded, logging, and cache enabled. Written in C.

SKILLS

Programming Languages: C, C++, Golang, Javascript, PHP, Python, SQL
Technologies and Other Skills: Bazel, Buildkite, Cryptography, Distributed Systems, Embedded Systems, Git, gRPC, HashiCorp Vault, Key Management, Kubernetes, Laravel, LaTeX, Linux, Make, Measured Boot & Device State Attestation, Metrics, Node, Operating Systems, Protocol Buffers, RBAC, React, Secure Boot, Spacelift, SSL/TLS, Terraform, Trace 32