# AARON STEINBERG

aaron@aa.codes | https://aa.codes | https://github.com/azsteinb

## 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, 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
- Database Management and Schema Design
- Javascript, Microsoft SQL Server, PHP

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

**Google Workspace Subject Matter Expert** @ *UCSC ITS*                     **Dec. 2021 - Jul. 2023**
- Google Workspace Admin for UC Santa Cruz
- Developed tool to identify and mitigate external abuse of university cloud storage
- Python, GAM

**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++, C#, Golang, Haskell, Java, Javascript, PHP, Python, SQL
**Technologies and Other Skills:** ArgoCD, Bazel, Buildkite, CMake, Cryptography, Distributed Systems, Docker, Embedded Systems, Express, GTest, gRPC, Key Management, Kubernetes, LaTeX, Linux, Make, Measured Boot & Attestation, Metrics, Node, Operating Systems, Protocol Buffers, RBAC, React, REST APIs, Secure Boot, Spacelift, SSL, Terraform, TLS, Trace 32