

# AARON STEINBERG

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## EDUCATION

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**University of California, Santa Cruz**  
Baskin School of Engineering  
Bachelor of Science, Computer Science

Sep. 2019 - Jun. 2023

## WORK EXPERIENCE

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<b>Security Software Engineer @ Aurora Innovation</b>	Mar. 2024 - Present
<b>Contracting Security Software Engineer @ Aurora Innovation</b>	Sep. 2023 - Mar. 2024
<ul style="list-style-type: none"><li>Developed and maintained security infrastructure for autonomous vehicle systems, both on the vehicle and in the cloud</li><li>Designed, implemented, and scaled secure container signing, deployment and verification systems</li><li>Designed and implemented a role based access control (RBAC) system for cloud resources</li><li>Developed and maintained secure boot, secure update, key management, and device identity systems for proprietary embedded hardware</li><li>C, C++, Golang, Python, gRPC, Kubernetes, HashiCorp Vault, Terraform, Spacelift</li></ul>	
<b>Consulting Software Engineer @ OrganizeMyPeople</b>	Apr. 2023 - Sep. 2023
<ul style="list-style-type: none"><li>Created an art studio booking and billing system for a non-profit art center</li><li>Maintained CRMs and databases for a variety of non-profit organizations</li><li>PHP, Javascript, Laravel, React, Microsoft SQL Server</li></ul>	
<b>Google Workspace Subject Matter Expert @ UCSC ITS</b>	Dec. 2021 - Jul. 2023
<ul style="list-style-type: none"><li>Provided technical support to students and internal ITS teams on Google Workspace applications and services</li><li>Created Python scripts for auditing resource usage and automating administrative tasks</li></ul>	
<b>Computer Systems and C Programming Grader @ UCSC</b>	Mar. 2021 - Jun. 2021
<b>Help Desk Technician @ UCSC ITS</b>	Dec. 2020 - Dec. 2021
<b>Bioinformatics Software Engineer Intern @ Progenabiome</b>	Jun. 2019 - Sept. 2019

## PROJECTS AND PAPERS

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**Bflock:** A C library for safer & easier multithreaded 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

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**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