AARON STEINBERG

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EDUCATION

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

WORK EXPERIENCE

Security Software Engineer @ *Aurora Innovation — Contract* **Sep. 2023 - Present**
Design, creation, and deployment of zero trust architecture software solutions that make autonomous vehicles and the cloud infrastructure behind them secure and efficient.
Tech Used: Golang, C++, Protocol Buffers, Kubernetes, AWS, Bazel, Buildkite, Chronosphere, Terraform

Software Engineer @ *OrganizeMyPeople — Contract* **Apr. 2023 - Sep. 2023**
Led full stack web development & CRM development for several clients
Tech used: Laravel, PHP, Javascript, HTML5, MySql and MS SQL Server.

Software Engineer @ *Trade Oracle — Contract* **Apr. 2023 - Jun. 2023**
API development, Wordpress development, and incorporation of OpenAI technology.
Tech used: Node.js/Express, Swagger, OpenAPI, OpenAI, Wordpress, GPT-4 and PHP.

Google Workspace Subject Matter Expert @ *UCSC ITS* **Dec. 2021 - Jul. 2023**
Internal Google Workspace tool development, technical support, and technical documentation writing.
Tech used: Google APIs, LaTeX, Node/Express.js, and ServiceNow.

Bioinformatics Software Engineer Intern @ *Progenabiome* **Jun. 2019 - Sept. 2019**
Internal tool development for management and analysis of patient DNA sequences.
Tech used: Kraken, Pandas, Python, and Google Colab.

Computer Systems and C Programming Grader @ *UCSC* **Mar. 2021 - Jun. 2021**

Help Desk Technician @ *UCSC ITS* **Dec. 2020 - Dec. 2021**

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++, Rust, C#, Golang, Haskell, Java, Javascript, Python, PHP, SQL
Technologies, Libraries, Frameworks: Node.js, Express.js, React, Laravel, Blade, Jest, jQuery, .Net, GOA, POSIX, Linux, Unix, Postgresql, MySQL, MS SQL Server, Pandas, OpenAPI, GraphQL, Heroku, AWS, Google Cloud, Git, WordPress, LaTeX, Protocol Buffers, Buildkite, Kubernetes, Docker, Bazel, Chronosphere, SSL/TLS, HTTP, Terraform, Bonsai, Spacelift, ArgoCD
More Skills: Object Oriented, Procedural, and Functional Programming; Cryptography, SCRUM, Agile Software Development, Leadership, Public Speaking, Software Testing, Technical Writing, Documentation