Aarin Salot

805-404-0952 | aarin.salot@berkeley.edu | linkedin.com/in/aarinsalot/ | github.com/AarinSalot

EDUCATION

University of California, Berkeley **GPA: 3.98/4.00**

B.A. Computer Science Graduating: May 2025

Regents' and Chancellor's Scholar: Merit-based scholarship for the top 2% of undergraduates
Relevant Coursework: Data Structures & Algorithms, Computer Architecture, Operating Systems & Systems Programming, Database Systems, Compilers, Security, Internet Architecture, Machine Learning, Deep Learning

SKILLS

Languages and Tools: Python, Java, C, C++ C#, Ruby, SQL, TypeScript, HTML/CSS, AWS, MongoDB, Git, Jira
Frameworks and Libraries: React, Node.js, Flask, JUnit, PyTorch, NumPy, Pandas, SciPy, Matplotlib, Seaborn

EXPERIENCE

Stripe, Inc. May 2024 – Aug 2024

Software Engineer Intern South San Francisco, CA

- Built v2 CRUD APIs for KYC data acquisition using Java, Ruby and MongoDB, supporting 2^{65} configurations and replacing legacy v1 APIs sustaining 1000+ QPS and 6,000,000+ total users
- Developed event-driven system for cross-database consistency with <2 minute asynchronous transaction rollbacks
- Architected v1/v2 interop system, ensuring backward compatibility for v1 systems, error detection, and recovery

AeroVironment, Inc. May 2023 – Aug 2023

Software Engineer Intern Simi Valley, CA

- Automated analysis of 8000+ controller tests by categorizing failures and generating HTML/CSS web logs
- Created 22 drone quality control tests using C#, Python, Atlassian Confluence REST API, and Regex parsing
- Accelerated firmware updates 24x via bootloader GUI FSM and microcontroller pairing enhancements

Clarity Health Technologies, Inc. Jan 2023 – May 2023

Software Consultant Berkeley, CA

- Developed front-end for Alzheimer's research platform using React and TypeScript to display trial metrics
- Designed dynamic pages with Tailwind CSS for user login, trial settings, device metadata, and treatment recording

LEADERSHIP & EXTRACURRICULARS

UC Berkeley EECS Department Jan 2023 – Present

Teaching Assistant

- Taught 3,000+ students in Data Structures, Computer Architecture, and Operating Systems courses
- Covered algorithms, memory management, caching, multi-threading, synchronization, and distributing computing
- Debugged student projects, rated code quality, reviewed system designs, graded exam code, and wrote project tests

Neurotech@Berkeley Aug 2022 – Dec 2022

Software Engineer

- Created EEG-based visual communication platform in Python for users with speech impairments
- Improved user accuracy by 10% by refactoring front-end using PyQt5, eliciting odd-ball paradigm through displaying different colored response options, and examining P300 decision making signals

PROJECTS

SpotSwap | *TypeScript, React, Python, Flask, PostgreSQL*

- Web application for parking spot rentals with competitive pricing vs. traditional parking garages
- Features landlord and tenant portals with OPT and JWT for security and user authentication

SnapCycle | *TypeScript, React, Python, Flask, DynamoDB*

- Web application utilizing camera input and image classification for recycling recommendations
- Recognized with the "Most Sustainable Project" award at AECtech Hackathon LA 2023