

BRENT FRIEDMAN

✉ brentfriedman@berkeley.edu  <https://www.linkedin.com/in/brent-friedman725>  <https://github.com/brentfriedman725>  brentfriedman725.com

EDUCATION

University of California, Berkeley | Berkeley, CA

Expected Graduation **May 2025**

B.S. - Electrical Engineering and Computer Science

Cumulative GPA: **3.85 / 4.0** (Sp '22 Dean's List)

Relevant Coursework: Data Structures, Algorithms, Machine Learning, Artificial Intelligence, Computer Security, Machine Structures, Optimization Models, Discrete Mathematics, Probability Theory, Multivariable Calculus, Linear Algebra

Organizations: Blockchain at Berkeley, Eta Kappa Nu, Chi Psi Fraternity

SKILLS & TECHNICAL TOOLS

Languages: Python, Java, Javascript, Typescript, C, Go, SQL, Solidity, HTML/CSS, Scheme

Software: Git, Github, Flask, Node.js, React, Express, PostgreSQL, MongoDB, Jupyter, AWS, Heroku, Postman, GraphQL

EXPERIENCE

Amazon | *Software Development Engineer Intern*

Santa Clara, CA | Jun 2023 - Aug 2023

- Incoming SDE Intern for Amazon at the Santa Clara Office.

Campaign Layer (Web3 Tech Startup) | *Full Stack Software Engineering Intern*

Remote | Jun 2023 - Aug 2023

- Played a pivotal role on a small engineering team crafting a cutting-edge music subscription service V1 launch product using Node.js, TypeScript, React, and MongoDB currently used by artists with millions of monthly listeners.
- Designed and integrated key features including reward redemption functionality, user authentication, engagement campaign tracks, and social media engagement monitoring contributing to a 40% surge in artist acquisition post-launch.

UC Berkeley | *Academic Intern*

Berkeley, CA | Jan 2023 - May 2023

- Held office hours for peers in Machine Structures course; taught in-depth C concepts to groups of over 20 students.
- Educated students on low-level concepts from RISC-V to bit-level descriptors; analyzed CPU design optimality.

CodeMaya (Web Dev Consulting) | *Software Engineering Intern*

Remote | May 2022 - Aug 2022

- Developed production-grade REST APIs using a MERN stack, streamlining service delivery for 6 CodeMaya clients.
- Devised an innovative system to intake CSV files for processing and transferring large-scale data (over 100,000 records per upload) into a PostgreSQL database, increasing data accessibility by an estimated 70% – server in use on a daily basis.

PROJECTS

Gitlet | *Java*

- Implemented a version-control system for local and remote repositories that functions exactly as Git does; designed with treemap data structure and concepts of persistence, serialization, hashing, and file manipulation.

Parking Meters | *Python*

- Application leveraging real-time data from the LADOT public database and Google Maps geocoding which allows users to input an address in LA and view a map displaying all vacant parking meters within a 1km radius.

LEADERSHIP

Head of Education | *Blockchain at Berkeley*

Dec 2023 - Present

- Manage our educational department of over 25 active members with content reaching 200k+ students worldwide.
- Lead B@B's Fundamentals course, Developer's course, EdX course, and internal education.

Treasurer | *Chi Psi Fraternity*

Jan 2023 - Jan 2024

- Manage a budget of over \$200,000 for our 56 members with QuickBooks and Microsoft Excel.
- Work closely with Chi Psi National and Berkeley Holdings to analyze contracts, tax documents, and contractor fees.