

Abhinav (Abhi) Vedati

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OBJECTIVE

A software engineering internship in which I can take ownership in developing systems to solve real-world problems.

PORTFOLIO - [HTTPS://GITHUB.COM/AVEDATI](https://github.com/avedati)

- Includes a programming language, a lisp interpreter, web scrapers, an auto-playing 2048 AI, and retro games.

SKILLS

- Fluent in Scikit-Learn, Python, C, C++, C#, Java, JavaScript, HTML, CSS, Numpy, OpenCV, and OpenGL.
- Proficient in Tensorflow, Firebase, Node.js, PHP, Go, Kotlin, Swift, Assembly Language, and SQL.

EXPERIENCE

UC Berkeley Dept. of EECS | *Course Staff for CS 61C* | January 2023 - Present

- As a Tutor, assist students with problem-solving during office hours and host exam prep sections on programming topics including: C, RISC-V, CPU architecture, caching, virtual memory, SIMD, and OpenMP.
- As an Academic Intern, assisted students in understanding key concepts and debugging assigned projects.

Google Cloud | *Software Engineering Intern* | May 2022 - August 2022

Worked on Google's no-code development platform, used by thousands of customers to build millions of applications.

- Designed and developed a front-end tool using ASP.NET to display performance data to customers and improve their app design decision making.
- Created a test system for AppSheet's C# backend to read and write performance data in SQL for Google Cloud Spanner DB.
- Completed main project ahead of schedule and proactively designed future improvements and refactoring of the pre-existing Spanner pipeline.
- Recalibrated existing performance analyzer to increase accuracy, as requested by a Fortune 50 customer.

schoolhouse.world | *Software Engineering and Design Intern* | June 2020 - August 2020

- Suggested, designed, and implemented new features for the site, including attendance tracking, Zoom integrations, and PII hashing to improve security and enhance UX.
- Collected and incorporated suggestions from our learning community..
- Built QA testing sites using Coda software for testing and scalability.

EDUCATION

B.S. in Electrical Engineering and Computer Science, University of California at Berkeley (GPA 3.784) | Expected May 2025

- Director of Pioneers in Engineering (PiE), a club that provides STEM education to high schoolers through robotics.
- Relevant coursework:
 - o CS 61B: Data Structures
 - o CS 70: Discrete Mathematics and Probability Theory
 - o CS 161: Computer Security
 - o CS 162: Operating Systems and System Programming
 - o EE 130: Integrated-Circuit Devices

INTERESTS

Programming hobby projects, studying science, and making music.