Abhinav (Abhi) Vedati

ajinjoo@berkeley.edu 650-709-6041

OBJECTIVE

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

PORTFOLIO - 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.

Continental AG, Connected, Automated & Shared Mobility Division | *Software Intern* | **July 2017 - August 2017**

– Researched Tensorflow and its applicability for object detection in self-driving cars
– Assembled a DVR that collects city traffic data to train a convolutional neural network.

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:
  ○ CS 61B: Data Structures, CS 70: Discrete Mathematics and Probability Theory
  ○ CS 161: Computer Security, CS 162: Operating Systems and System Programming, EE 130: Integrated-Circuit Devices

INTERESTS

Programming hobby projects, studying science, and making music.