Abhinav (Abhi) Vedati

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OBJECTIVE

A software engineering internship in Chip Design or in AI tools that enhance human productivity.

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, Swi, Assembly Language, and SQL.

EXPERIENCE

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

- As Group Tutor, host office hours and lead weekly content sections on key topics, such as programming in C, instruction sequencing, CPU architecture, caching, 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**

- Completed multiple projects for Google's no-code development platform (AppSheet), used by thousands of customers to build millions of apps:
- Created a graphical tool that uses performance data to enable customers to make informed app design decision
- Developed a test system for AppSheet's .NET backend to read and write performance data for Google Cloud Spanner, a mini SQL database; documented the Spanner pipeline for future refactoring.
- Recalibrated the AppSheet performance analyzer for accuracy, as requested by a Fortune 50 customer.

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

- Suggested and implemented new features for the site, including attendance tracking, Zoom integrations, and PII hashing to improve security and enhance UX.
- Built QA docs using Coda software for testing and scalability.

Tynker Inc | *Game Developer Intern* | **July 2019 - August 2019**

- Designed and developed sample projects and tutorials to teach STEM concepts to millions of K-8 students each week. - Used Python, JavaScript, HTML, CSS, and Tynker Block Language to program projects.

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 Sciences, University of California at Berkeley | **Expected Dec. 2024**

- Director of Pioneers in Engineering (PiE), a club that provides STEM education to high schoolers through robotics.
- Volunteer Computer Science Mentor for EECS 16B: Designing Information Devices and Systems II.

INTERESTS

Programming hobby projects, studying neuroscience, practicing Brazilian Jiu-Jitsu, and playing classical guitar.