

Abhinav (Abhi) Vedati

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OBJECTIVE

A software engineering internship in which I can apply my technical skills and experience to solve tough real-world problems.

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

Member of Course Staff for CS 61C: Great Ideas of Computer Architecture | **UC Berkeley Dept. of EECS** | Berkeley, CA

June 2023 - Present

- 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.

January - May 2023

- As Academic Intern, assisted students in understanding key concepts and debugging assigned projects.

Software Engineering Intern | **Google AppSheet** | Sunnyvale, CA

May 2022 - August 2022

Completed projects for Google's no-code development platform, 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 decisions.
- 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.

Software Engineering and Design Intern | **schoolhouse.world** | Mountain View, CA

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.

Game Developer Intern | **Tynker Inc.** | Mountain View, CA

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.

Software Intern | **Connected, Automated & Shared Mobility Division, Continental AG** | San Jose, CA

July 2017 - August 2017

- Researched Tensorflow and its applicability for image detection; presented findings to the product leadership team.
- Assembled a DVR that collects city traffic data used to train a convolutional neural network.

EDUCATION

University of California at Berkeley | Berkeley, CA

B.S. in Electrical Engineering and Computer Sciences (EECS) candidate | Expected Dec. 2024

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

INTERESTS

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