

# Abhinav (Abhi) Vedati

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## OBJECTIVE

A machine learning or chip design internship in which I can apply my technical and programming skills to solve tough real-world problems.

## PORTFOLIO - [HTTPS://AVEDATI.GITHUB.IO](https://avedati.github.io)

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

### **Software Engineer Intern – Google AppSheet, Sunnyvale, CA**

May 2022 - August 2022

Adjusted AppSheet's performance analyzer page to correctly compute performance as requested by a large corporate customer. Designed a front-end graph based on the performance data to help customers make more informed app design decisions. Created 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.

### **Student Teaching Assistant – Khan Lab School, Mountain View, CA**

September 2019 - June 2021

Worked closely with math faculty to help teach Pre-Algebra, Statistics, and Calculus classes. Met one-on-one with students to plan projects to enhance their learning experience. Created study guides to teach math concepts in a fun and interesting way.

### **Software Engineering and Design Intern – schoolhouse.world**

June 2020 - August 2020

Build QA "docs" using Coda software for testing and scalability. Suggest and implement new features for the site, including attendance tracking, Zoom integrations, and PII hashing to improve security and enhance UX.

### **Game Developer Intern – Tynker Inc., Mountain View, CA**

July 2019 - August 2019

Designed and developed sample projects and tutorials to teach STEM concepts to kids in a fun and engaging way. Leveraged Python, JavaScript, HTML, CSS, and Tynker Block Language to program projects, which are used by millions of K-8 students each week.

### **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 to collect city traffic data, which was used to train a convolutional neural network.

## EDUCATION

### **University of California at Berkeley, Berkeley, CA**

August 2021 - Dec 2024 (expected)

Currently studying Electrical Engineering and Computer Science. Co-PM of Education for Pioneers in Engineering, a club focused on high school robotics education.

### **Khan Lab School, Mountain View, CA**

September 2017 - June 2021

One of the first students to attend an innovative startup school affiliated with Khan Academy. TA for computer science, music, and math. Winner of the Khan Lab School Entrepreneurship Challenge.

## INTERESTS

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

