Abhinav (Abhi) Vedati

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OBJECTIVE

An internship in which I can apply my technical and programming skills to solve tough real-world problems.

PORTFOLIO - 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++, Java, JavaScript, HTML, CSS, Numpy, OpenCV, and OpenGL.
- Proficient in Tensorflow, Firebase, Node.js, PHP, Go, Kotlin, Swift, Assembly Language, and SQL.

EXPERIENCE

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

June 2020 - August 2020

Build QA "docs" using Coda software for testing and scaling. 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

June 2016 - 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.

Head of Vision Team – **Khan Lab School Robotics,** Mountain View, CA

January 2019 - June 2021

Use Java and OpenCV to create a vision system capable of reliably detecting a line of white tape and returning the direction and motion necessary to align a robot to it. Train junior team members on algorithms.

Student Ambassador and Engineer – **Design The Future,** Stanford, CA

June 2018 - July 2019

Designed an acrylic desk to enable a quadraplegic software engineer to collaborate with coworkers. Invited to review applications for the company's design thinking STEM program in pursuit of passionate, empathetic candidates. Recommend ways to improve and expand the Design the Future program.

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 - May 2024 (expected)

The first student admitted to UC Berkeley using a mastery transcript. Currently studying Electrical Engineering and Computer Science.

Khan Lab School, Mountain View, CA

September 2015 - 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.