

Abhinav (Abhi) Vedati

Learner. Teacher. Innovator.

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OBJECTIVE

To better the world through the use of technology. Looking for an opportunity to use my skills to solve tough problems.

PORTFOLIO

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

A collection of my projects, including but not limited to: a programming language, a small lisp interpreter, a couple of web scrapers, and some HTML tools and games.

SKILLS

Fluent in HTML, CSS, JavaScript, Python, C, C++, Java, and Bash. Proficient in PHP, Ruby, Go, Kotlin, Swift, Assembly, Language and Rust. Beginning SQL.

EXPERIENCE

Tynker Inc., Mountain View, CA — Intern

June 2016 - August 2019

Designed and developed sample projects and tutorials aimed at teaching STEM concepts to kids in a fun and engaging way. Programmed projects in Python, JavaScript, HTML, CSS, and Tynker Block Language. These projects are being viewed and used by millions of K-8 students each week.

Khan Lab School Robotics, Mountain View, CA — Head Of Vision Team

January 2019 - PRESENT

Used Java and OpenCV to create a vision system capable of reliably detecting a line of white tape and returning the direction and magnitude of motion necessary to align an FRC robot onto that line. Optimized FRC Dashboard settings to maximize camera FPS and minimize camera latency.

Design The Future, Stanford, CA — Student Ambassador and Engineer

June 2018 - PRESENT

Met with a software engineer at IBM who is paralyzed from the neck down in order to understand how to best make in impact in his daily life, and prototyped an acrylic desk to allow how to use his laptop to collaborate with his coworkers.

Reviewed applications for award-winning design thinking & STEM summer program created by DC Design. Actively sought candidates who exhibited empathy and a passion for solving real-world problems. Provided

recommendations for ways to improve and expand the Design the Future program.

Continental AG, San Jose — *Intern*

July 2017 - August 2017

Researched Tensorflow and its applicability for artificially intelligent image detection. Presented findings to the product leadership team of the Connected, Automated & Shared Mobility Division. Assembled a DVR to collect traffic data in the city of Milpitas, which was used to train a convolutional neural network.

EDUCATION

Khan Lab School, Mountain View, CA

September 2015 - PRESENT

One of the most senior students at an innovative startup school affiliated with Khan Academy.

- School Ambassador for prospective and new students
- Volunteer Tutor - computer science and mathematics
- Creator of many passion projects, including a facial recognition neural network, a spread of disease simulation project, and a smart calendar system using machine learning.
- Ambitious Student, has self-studied for multiple AP exams, including AP Computer Science, AP Calculus BC, and AP Physics C: Mechanics

INTERESTS

In my spare time I enjoy programming hobby projects, studying neuroscience, practicing Brazilian Jiu Jitsu, computer programming, reading about human psychology, and playing classical guitar.