

Vinay Venkatesh

✉ vinayven01@gmail.com | 📍 San Jose, CA | 🌐 www.vinayven.com | www.github.com/Simple2006

Education

Lynbrook High School

San Jose, CA

Aug 2020 – Jun 2024

GPA: 3.71/4.00

Inspirit AI

ARTIFICIAL INTELLIGENCE

Dec 2020 – Jan 2021

Experience

ProtoHacks

San Jose, CA

Feb 2021 – Present

FOUNDER & WEB MASTER

- Marketing - Marketing ProtoHacks to maximize hackathon attendance through social media and school emails
- Website Development and Maintenance - Developing and maintaining ProtoHacks website with HTML, CSS, and JavaScript
- Managing Operations - Managing operations and funding by reaching out to ventures and contacting companies for sponsorships

Lynbrook High School FRC Team 846

San Jose, CA

Aug 2020 – Present

SOFTWARE TEAM

- Website Development - Using JavaScript, HTML, CSS to develop a dashboard to control robot settings
- Robot Software Development - Wiring software with Kotlin and Scala for a competition level robot

Inspirit AI

INSPIRIT AI FELLOW

Mar 2021 – Present

- Outreach - Contacted schools, clubs, and people to gain communication skills
- Leadership - Learning leadership skills through presentations surrounding Artificial Intelligence fields

Skills

Programming Languages: Python, JavaScript, HTML, CSS, Go Lang, C#, C, Kotlin, Swift

Python Libraries: PyTorch, Tensorflow, Numpy, Pandas, And More

Industry Knowledge: Machine Learning, Web Development, iOS Development, Robotics, Artificial Intelligence

Other: Rowing, Saxophone

Projects

libmaths

Python

A PYTHON LIBRARY DEDICATED TO BRINGING AN EFFICIENT GRAPHING AND MATHEMATICAL EXPERIENCE TO PROGRAMMERS LOOKING TO IMPLEMENT MATH FUNCTIONS IN THEIR CODE.

<https://pypi.org/project/libmaths>

<https://github.com/Simple2006/libmaths>

TradeAlgo

Python, TD Ameritrade API

TRADEALGO IS A QUANTITATIVE TRADING ALGORITHM USING THE TD AMERITRADE API AND SEVERAL DATA SOURCES TO PLACE EDUCATED ORDERS ON PENNY STOCKS.

Closed Source

VoiceNotes

Swift, HTML, CSS, JavaScript

VOICENOTES IS AN IOS APPLICATION CREATED TO HELP STUDENTS WITH LEARNING DISABILITIES. THE INCAPABILITY TO UNDERSTAND SPEECH IS A SERIOUS ISSUE FOR STUDENTS WITH LEARNING IMPAIRMENTS. VOICENOTES HELPS SOLVE THAT PROBLEM WITH ITS ABILITY TO CONVERT SPEECH TO TEXT EFFICIENTLY.

<https://github.com/Simple2006/VoiceNotes>

<https://www.voicenotes.me>

ArmVision

Python, Google Colab, Tensorflow, PyTorch

ARMVISION IS AN OBJECT DETECTION PROGRAM UTILIZING ARTIFICIAL INTELLIGENCE (AI) CONCEPTS SUCH AS CONVOLUTIONAL NEURAL NETWORKS (CNNs) TO IDENTIFY FIREARMS IN REAL TIME VIDEO USING THE YOU ONLY LOOK ONCE (YOLO) ALGORITHM AIMING TO REDUCE CASUALTIES CAUSED BY GUN VIOLENCE .

Closed Source