Vinay Venkatesh

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Education

Lynbrook High School — San Jose, CA
High School *GPA: 3.6/4.0* — August 2020 - June 2024

De Anza College — Cupertino, CA
Dual Enrollment *GPA: 4.0/4.0* — September 2022 -

Accomplishments

Published IEEE Paper on AI/ML For Gun Safety — IEEE
https://drive.google.com/file/d/15VrQpcQ93U2-nSJ6JigksVjmnpKxnGnH/view — May 2023

1st Place Youth 4x - 2023 Southwest Regionals — USRowing
May 2023

1st Place - Stevens Trading Day Invitational — Stevens Institute of Technology - School of Business
1st place out of 25 students across the country in an in person, live trading competition. — Mar 2023

2nd Place - Stevens Trading Day — Stevens Institute of Technology - School of Business
2nd place out of 600+ contestants in a month-long virtual stock trading competition — Feb 2023
Invited to the Stevens Trading Day to compete with Top 25/600 on Bloomberg Terminals

2nd Place U17 4x - 2022 Southwest Regionals — USRowing
May 2022

USACO Gold Division Contestant — USA Computing Olympiad
Gold level in the USA Computing Olympiad — Jan 2022

Work Experience

San Jose State University — San Jose, CA
Research Assistant — *Feb 2022 – Present*
Developing novel forensics solutions with ML - Work under NDA

Los Gatos Rowing Club — Los Gatos, CA
Varsity Crew Member — *Mar 2021 - Present*
Rowing 18+ hours per week

generAI — Fargo, ND
Software Engineer — Jul 2022 - Sep 2022
Full stack development to create a production level web and mobile application
to connect content creators with brands.

Aspiring Scholars Directed Research Program (ASDRP) — Fremont, CA
Summer Researcher — Apr 2021 - Aug 2021
Researched under the supervision of Dr. Phil Mui to develop an ML model
predicting political bias in Reddit echo chambers.

Lynbrook High School FRC Team 846 — San Jose, CA
Software Team — Aug 2020 - Aug 2021
Wrote Kotlin code for a competition level robot
Developed wireless interface for robot

Passion Projects

ArmVision *Computer Vision*
Developed gun safety solution to detect guns in real-time video using Computer Vision

TradeAlgo *Python* https://github.com/4pz/TradeAlgo
Quantitative trading algorithm using the TD Ameritrade API and several data sources to place educated
orders on penny stocks.

Libmaths *Python* https://pypi.org/project/libmaths
A Python library dedicated to bringing an efficient graphing and mathematical experience to programmers
looking to implement math functions in their code.