

Jay Park

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EDUCATION

Irvine High School | Student

Aug 2021 – Present

- **11th GPA:** 4.0 unweighted, 4.6 weighted
- **AP Scores:** US History (4)
- **SAT:** 1510
- **PSAT:** 1520

Additional Certifications

- [Deeplearning.ai](#): askdjaksdjlkasdklja (In Progress)

PREPROFESSIONAL EXPERIENCES

AutoShield: Urban City-Focused Auto Burglary Tracker

Oct. 2023 – Present

Independent Project

- Utilized an San Francisco crime dataset and data preprocessing techniques to create an algorithm that determines hotspot areas for crime, visualizing these areas through heat map visualization
- Used the created algorithm and implemented it into existing map softwares/services and a self-made website

Department of Defense Cyber Awareness Challenge

February 2024

National Challenge Participant

- Successfully completed all awareness content issued by Congress, the Office of Management and Budget (OMB), the Office of the Secretary of Defense, and Component input from the DoD CIO chaired Cyber Workforce Advisory Group (CWAG)
- Reinforced best practices to protect classified, controlled unclassified information (CUI), and personally identifiable information (PII) - Obtained certification of completion

Teen Ink Publication

July 2022

Author | <https://www.teenink.com/nonfiction/academic/article/1164030/Bitcoin-A-New-Phenomenon>

- Wrote an argumentative essay concerning whether bitcoin and other cryptocurrencies are a blessing or a curse
- Requested and successfully published the essay on Teen Ink

PersolvAI Summer Camp

June 2023 – July

2023 Camp Attendee | Machine Learning (ML) Classes and Individual Research Project

- Participated in a four week course led by Stanford Graduate Jason Zheng to learn about all aspects of machine learning using Python
- Led and completed a research project for comparing the accuracy of machine learning stock prediction techniques under mentorship of Stanford graduate David Lin. Tested techniques beginning with linear regression, then tested higher levels of complexity like neural networks and long short term memory

LEADERSHIP AND COMMUNITY EXPERIENCES

Economics for Leaders Summer Camp (EFL)

June 2023

Camp Attendee | Foundation for Teaching Economics, University of California Berkeley

- Attended a summer camp with 30 other students at UC Berkeley for a week to hone leadership skills and learn the application of economic analysis to public policy decisions
- Developed an understanding on factors contributing to an economy, and effects the economy has on the population

Cyber Security Organization Representative

June 2021 – Present

Student Ambassador | Silicon Valley Cyber Security Institute (SVCSI) - <https://www.svcsi.org/>

- Participated in a national competition known as CyberPatriot with other student ambassadors representing SVCSI, focusing on the Cisco Packet Tracer part of the competition
- Won the semi national finalist and state championship in 2 years of competing
- Worked on organizing cyber security webinars with fellow student ambassadors and presented cyber awareness presentations to college students and professors nation-wide

Silicon Valley Cyber Security Institute Summer Camp

June 2022 - Aug 2022

Student Attendee | SVCSI - <https://www.svcsi.org/>

- Learned network management and data analysis techniques in an 8 week online summer camp
- Worked with mentorship of SJSU professor Fabio D. Troia to complete a research paper on “Advanced Malware Detection Through Machine Learning.” Formatted findings into a poster and presented results at the end of the camp
- Competed in the annual CyberWarrior event hosted by SVCSI, answering questions on data science, networking, cryptology, and more

Computer Science 22 and 23 Online

June 2022 – July 2022

Student | Georgia Tech - Coursera

- Learned both beginner and intermediate python skills including loops, conditionals, dictionaries, arrays, and more.
- Committed 10 hours/week for 6 weeks

Varsity Volleyball Player

Feb 2023 - May 2025

Captain | DVHS Volleyball Team

- Currently play for the school volleyball team, having gained my position as captain on the team by practicing in the off season and being a role model player
- Off-season: 6 hours/week for 41 weeks/yr | Season: 12 hours/week for 11 weeks/year

Church Praise/Worship Team

Jan 2019 - Jan. 2025

Lead Guitarist and Vocalist | Agape Presbyterian Church (APC)

- Played with members of the team and led praise at least weekly for my local church’s youth group
- Committed 4 hours/week for 52 weeks/year

AWARDS AND DISTINCTIONS

CyberWarrior Winner SVCSI – Cyber Security and Networking	Aug 2022
CyberPatriot 2x National Semi-Finalist Air and Space Force Association – Cyber Security and Networking	Jan 2023, 2024
American Computer Science League, Finalist Qualifier DVHS – Computer Science	June 2023
YIASC Stocks Competition International Placer YIASC – Economics	Sep 2023
GYM Essay Contest Qualifier GYM – Political Science and Sociology	Sep 2021
YIASC Marketing Challenge Winner YIASC - Marketing and Economics	Mar. 2023
Varsity Scholar Athlete DVHS Volleyball Team	May 2023