



Nathan Pham

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Del Oro High School

PSAT: 1480

SAT: 1540

GPA: 4.6 (weighted with Dual Enrollment), 4.0 unweighted

AP Testing

AP Biology: 5

AP Computer Science Principles: 5

AP Computer Science A: 5

AP AP English Language and Composition: 4

Sierra College

GPA: 4.0

(2022) Programming I

(2022) Web Development

(2021) Introduction to Computing

(2021) Programming Concepts and Methodology I

(2021) Spanish IV (Dual Enrollment)

(2020) Biology

(2020) Spanish I

(2020) Calculus AB (Dual Enrollment)

(2020) Mechatronics (Dual Enrollment)

Self Learning

Future Learn

(2020) Introduction to Sustainability and Development

(2020) Introduction to UX and Accessible Design

(2020) Digital Skills: Artificial Intelligence

Udemy

(2022) Machine Learning A-Z

(2022) Deep Learning A-Z

Work Experience

HPE Aruba R&D Network Intern

Summer 2022

Gained experience in working with teams and collaborative programming and designed internal tools and dashboards for automation with Docker, React, Grafana and Prometheus

LegiSchool Civics Virtual Institute

Summer 2022

Researched important policy issues in all three branches of government by participating in town hall meetings and listening to speakers and presented our findings to our peers and community members

Youth on Course Caddie

2018 - Current

Carried golf bags and repaired putting greens

Sacramento Prime Teen Internship

Summer 2020

Created a website to centralize resources for a homelessness community project

Summer at City Hall

Summer 2020

Learned more about California local government and how to participate in the future

Skills & Hobbies

Programming

Proficient in Node.js, Python, PHP, and Processing

Can also use Figma to design mockups and apps

Flute & Piano

Level 7 Certificate of Merit

Agriculture

I raise chickens for my supervised agricultural experience (SAE)

Origami

Capable of making collapsible boxes and dragons

School Activities

Programming Club - Founder and President

Future Farmers of America (FFA) - Chapter Historian

Concert Band - Flute

California Scholarship Federation (CSF) - Member

Golf Team - Junior Varsity

Community Activities

Community Emergency Response Team (CERT)	Level 2 (Deployable, assist FEMA in disasters)	2019 - Current
TeenTechSF	Workshop Leadership	2020 - Current
Youth Leadership Academy	Youth Coordinator	2019 - Current
Alzheimer's Association	Advocate, Fundraiser	2016 - Current
Listos	Sacramento CERT	2020 - Current
Repl.it	Content Creator	2018 - Current
WaffleHacks	Technology Organizer	2022 - Current

Awards

2022 National Merit Semi-Finalist

2022 [National Indigenous Recognition Program](#)

2021 Gold Presidential Volunteer Service Award (verified by TeenTechSF)

2021 Regional Level Honorable Mentions CFGL - Spirit of Service Competition

2021 Divisional Level Finalist CFGL - Young Artists Competition

2020 Summer at City Hall Civic Engagement Program

2019 Mayors' Commission High School Climate Change Youth Coordinator

2019 Senate Certificate of Recognition for Agriculture, Food, Design & Technology

2019 State Honors Certificate of Merit Flute

Conferences & Hackathons

2022 WaffleHacks

Best Healthcare Hack for creating Relax (software for posture) and Best Connections Hack for creating Artly (collaborative art)

2022 Hello World NFT Hackathon Replit x Opensea

\$300 from submitting the Chickenverse, a chicken NFT-based game

2022 HPE CodeWars

Second place winner for solving algorithms in a two hour competition

2021 Creative Reaction Lab

\$500 artist stipend for addressing structural racism & education

2021 TeenTechSF Global Civic Hackathon

First place winner for creating a mentoring app called Mentr

2021 Stanford Asian Liver Center Youth Leadership Conference

Four-day challenge addressing Hepatitis-B awareness and the importance of advocacy

2021 Davis Health and Equity Academy

Valuable exposure to careers in medicine & how healthcare can be made more equitable

2021 Berkeley Physics in and Through Cosmology

Integrating physics with cosmology; interviewed a scientist at CERN named Danny Antrim

2021 Willhacks 2.0

Third place winner for creating a virtual medical conference app called Pinpoint

2020 Repl.it Template Design

Created a space-themed landing page for beginners learning how to make websites

2020 NASA Space Apps

Participated in the COVID-19 Space Apps by NASA to visualize newly collected data

2019 Amazon Design

First place winner for designing and building robot assistant

2019 SC Hacks Half-a-Hackathon

First place winner for making a self-help app

FFA Awards

2022 Agricultural Science Award for Estimating Mass of Chickens

2021 5th Place State Impromptu Public Speaking FFA

2021 Chapter Star Farmer Award

2020 Farmer's Bureau Decal Design Winner

2020 3rd Place Regional Creed Public Speaking

Media

FFA and Loomis Competitions

[Del Oro FFA chapter prepares for speaking competition | Gold Country Media](#)

[Loomis moves step closer to official town flag | Gold Country Media](#)

[Del Oro FFA -Nathan Pham placed 5th at State | Facebook](#)

Repl.it Developer Spotlight

[Developer Spotlights : Cute cats - Replit](#)

Publications

2022 Developers Collective

[Introduction to Perceptrons](#)

2022 Dev.to

[Building an Open Source CLUI](#)

[Shapes Classifier with Sklearn](#)

2021 Dev.to

[Simple Zombie Shooter](#)

[PHP vs Node.js](#)

2019 Duke Youth Voice

[Falling Down the Rabbit Hole – Young Writers' Camp](#)

[Spider-Man Goes to London – Young Writers' Camp](#)

[Dasan Ahanu Speaks to Duke Young Writers' Camp](#)