Nathan Pham
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Goal

To become proficient in the science of machine learning to reduce food insecurity and prevent disease in advance through adequate nutrition

Del Oro High School

PSAT: 1480
SAT: 1540
GPA: 4.6 (weighted with Dual Enrollment), 4.0 unweighted

AP Testing

AP Biology: 5

Sierra College

GPA: 4.0

2022

Programming I
Web Development

2021

Introduction to Computing
Programming Concepts and Methodology I
Spanish IV (Dual Enrollment)

2020
Biology
Spanish I
Calculus AB (Dual Enrollment)
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

Work Experience
Youth on Course Caddie
2018 - Current
Carried golf bags and repaired putting greens

Sacramento Prime Teen Internship
Summer 2020
Homelessness community project

Summer at City Hall
Summer 2020
Learned more about local government

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

Origami
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

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
2021 Chapter Star Farmer Award
2020 Farmer's Bureau Decal Design Winner
2020 3rd Place Regional Creed Public Speaking

Other Notable Awards
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

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 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](#)