Nathan Sariowan

Computer Science Freshman at Stanford University

ncsariowan.github.io
(858) 922 9572
ncsariowan@gmail.com

SKILLS

Proficient: Java, C++, JavaScript, HTML, CSS, Git
Familiar: Python, PHP, MySQL, React Native

RELEVANT COURSEWORK

CS106B: Programming Abstractions
CS1U: Practical Unix
CME 100: Vector Calculus for Engineers
MUSIC 153A: Online Jamming and Concert Technology
UCSD Entrepreneurship and Innovation Executive Training Program (2018)

AWARDS

National Merit Scholarship Finalist (2020)
US Presidential Scholars Candidate (2020)
Dr. Douglas C Crone Head of School Award (2020)
1st Place Winner - MTAC San Diego VOCE, Senior Strings Division (2019)
1st Place Winner - MTAC San Diego Concerto Competition Division VI (2019)

OTHER INTERESTS

I enjoy producing, arranging and mixing music, and video editing. Check out my Youtube channel (search: Nathan Sariowan)!

EDUCATION

Stanford University — *B.S. Computer Science.* JUN 2024

Francis Parker — *High School Diploma.* JUN 2020

UCSD Entrepreneurship and Innovation Executive Training Program (2018)

Google CSSI Coursera SUMMER 2020

Algorithmic Toolbox, Data Structures

EXPERIENCE

NewBlue, San Diego — *Software Intern.* SUMMER 2018, 2019

Developed and tested Javascript and HTML software for Titler Live 4 Broadcast and Ovrstream products.

Led the development of several plugins and collaborated with SWEs and customers internationally.

UCSD San Diego Supercomputer Center — *MAP Research.* 2018-2020

Built a machine learning program and model for Alzheimer's classification and diagnostics based on metabolite descriptors using Python, WEKA, and Tensorflow.

Museum of Making Music, Carlsbad — *Intern/Volunteer.* SUMMER 2019

Developed and tested Raspberry Pi based interactive stations for special exhibit in Fall 2019.

Underwent museum content training and volunteered during concerts and at the museum.

FRC Team 2485 — *President, Software Lead.* 2016 - 2020

Led 20 person software subteam/80 person team. Competed internationally.

Organized and taught Java, robotic programming and control theory training.

Developed robot software, control systems and vision systems in Java and Python.

Wired and soldered robot electronics.

Organized off-season STEM outreach programs, summer camps, Qualcomm-sponsored hackathon.

ACTIVITIES

Violin

Concertmaster of the high school orchestra.

Assistant Concertmaster of Mainly Mozart Youth Orchestra.

President and founder of high school's chamber music club.

Regularly performs solo and with chamber groups for local events, organizations and nonprofits.

Stanford Collaborative Orchestra

Stanford Robotics Club

KZSU Stanford 90.1 FM