

Nathan Sariowan

Computer Science student at Stanford University

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EXPERIENCE

UCSD San Diego Supercomputer Center — MAPs Research

SEPTEMBER 2018 - APRIL 2020

Worked with Dr. Igor Tsigelny under the Mentor Assistance Program (MAP). Built a machine learning program and model for Alzheimer's classification and diagnostics based on metabolite descriptors using Python, WEKA, and Tensorflow.

NewBlueFX, San Diego — Software Intern

SUMMER 2018 AND SUMMER 2019

Developed and tested Javascript and HTML software for Titler Live 4 Broadcast and Ovrstream products. Led the development of several plugins. Collaborated with SWEs and customers internationally. .

Museum of Making Music, Carlsbad — Intern/Volunteer

SUMMER 2019

Intern with the National Association of Music Merchant (NAMM)'s Museum of Making Music. Developed and tested Raspberry Pi based interactive sound stations for special exhibit in Fall 2019. Underwent museum content training and volunteered during concerts and at the museum.

EXTRACURRICULARS

FRC Team 2485 — President, Software Lead

OCTOBER 2016 - JUNE 2020

Led 20 person software team and 80 person robotics team through intensive 6 week build season and regional and international competitions. Organized and taught Java, robotic programming and control theory trainings. Develop robot software, control systems and vision systems in Java and Python, wired and soldered robot electronics. Mentored and organized off-season STEM outreach and education programs, robotics summer camps and our Qualcomm-sponsored hackathon. Spent at least 25 hours a week, 40 hours at busiest (during school year)

Violin — Concertmaster, Chamber Music Club President

Competitive, award-winning violinist, attended numerous international festivals. Concertmaster of school orchestra, assistant concertmaster of the 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. Plays at Sunday masses at St. Therese of Carmel Catholic Church weekly.

RISE Youth Ministry — Youth Leader

OCTOBER 2016 - JUNE 2020

Led high school confirmandi in small group discussion and helped lead youth ministry.

EDUCATION

Stanford University — Undergrad

GRAD. JUNE 2024

Francis Parker — High School

GRAD. JUNE 2020

GPA: 3.91 (uw), SAT: 1600
UCSD Entrepreneurship and Innovation Executive Training Program (2018)
National Merit Scholarship Finalist (2020)
US Presidential Scholars Candidate (2020)
Dr. Douglas C Crone Head of School Award (2020)

Google CSSI Coursera

SUMMER 2020

Algorithmic Toolbox
Data Structures

SKILLS

Proficient: Java, JavaScript, HTML, CSS
Familiar: Python, C++, PHP, MySQL, React Native
Software: Premiere Pro, Photoshop, Illustrator, Google Sheets, Titler Live, FL Studio, Musescore,

OTHER INTERESTS

I enjoy producing and mixing music using FL Studio, arranging ensembles using Musescore and creating videos using Adobe Premiere.