

Nathan Sariowan

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SKILLS

Proficient: Java,
JavaScript, HTML, CSS

Familiar: Python, C++,
PHP, MySQL, React Native

Technologies: Premiere
Pro, Photoshop, Illustrator,
Google Sheets, Titler Live,
FL Studio, Muscore

AWARDS

National Merit Scholarship
Finalist (2020)

US Presidential Scholars
Candidate (2020)

Dr. Douglas C Crone Head
of School Award (2020)

OTHER INTERESTS

- Producing and mixing music using FL Studio
- Arranging ensembles using Muscore
- Creating videos using Adobe Premiere

EDUCATION

Stanford University – B.S. Computer Science

Expected June 2024

Francis Parker High School

Sep 2016 - June 2020

- Unweighted GPA: 3.91
- UCSD Entrepreneurship and Innovation Executive Training Program (2018)

Google CSSI Coursera

June 2020 - Aug 2020

- Algorithmic Toolbox Course
- Data Structures Course

EXPERIENCE

UCSD San Diego Supercomputer Center — MAPs Researcher

Sep 2018 - Apr 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

June 2018 - Aug 2018, June 2019 - Aug 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

June 2019 - Aug 2019

- 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

First Robotics Competition Team 2485 — President, Software Lead

Oct 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.
- Developed robot software, control systems, and vision systems in Java and Python, and wired and soldered robot electronics.
- Mentored and organized off-season STEM outreach and education programs, robotics summer camps, and our Qualcomm-sponsored hackathon.

Violin — Concertmaster, Chamber Music Club President

- Concertmaster of school orchestra, assistant concertmaster of the Mainly Mozart Youth Orchestra, and president and founder of high school's chamber music club.
- Regularly performed solo and with chamber groups for local events, organizations, and nonprofits.
- Played at weekly Sunday masses at St. Therese of Carmel Catholic Church.