Nathan Sariowan

Nathan Christopher Sariowan
Stanford University Class of 2024

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Skills

Programming Languages: Java, JavaScript, HTML, CSS, Python, Cpp,

Other frameworks: GCP, Tensorflow, Pandas, Jupyter Notebook, Numpy, React Native, Unity

Software: Excel, Google Sheets, GitHub, Eclipse, Intellij, VS Code, PyCharm, Titler Live, FL Studio, Musescore, Adobe Premier, Adobe Photoshop

Education

Stanford University / Undergrad
SEPTEMBER 2020 - PRESENT

Francis Parker School / High School
SEPTEMBER 2016 - JUNE 2020

GPA: 3.91 (June 2020, unweighted), SAT: 1600 (Nov 2018)
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)

Experience

UCSD San Diego Supercomputer Center / MAP Intern
SEPTEMBER 2018 - APRIL 2020 (5-7 hrs/wk)

Worked with Dr. Igor Tsigelny and Dr. Valentina Koutsenova 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 / Summer Intern
SUMMER 2019, SUMMER 2018 (25-30 hrs/wk, paid)

Software developer summer intern with NewBlueFX which produces video editing, titling, compositing and broadcasting software. 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 / Intern

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.

Google CSSI Coursera

SUMMER 2020

Took Google's Algorithmic Toolbox and Data Structures Coursera courses.

Extracurricular Activities

FRC Team 2485 / President, Software Lead

OCTOBER 2016 - JUNE 2020

Software developer for FIRST Robotics Competition (FRC) Team 2485 - Programmed and led the development of software for 125 pound robots within 6 weeks using Java and Python. Organized, led and taught Java, robotic programming and control theory trainings.

Leadership: Software Lead (2019-20), Director of Autonomous (2019), Director of Software Trainings (2018)

Mentored and organized off-season programs:

Robo.camp - Mentored a group of middle and elementary school students in building and programming Lego Mindstorm and Vex robot.

Hackathon - Organized and led a 12 hour coding competition.

OrionEd - Organized and participated in an outreach program teaching robotics in San Diego schools using our robots and materials.

Violin / Competitive Violinist, Orchestra Concertmaster, Chamber Music Club President

Award-winning violinist, attended numerous international festivals including Summit Music Festival with Aaron Rosand (2016) and Interlochen (2020). Concertmaster of Francis Parker Lancer Orchestra, assistant concertmaster of the Mainly Mozart Youth Orchestra, president and founder of high school's chamber music club. Plays at Sunday masses at St. Therese of Carmel Catholic Church weekly.

RISE Youth Ministry / Youth Leader

SEPTEMBER 2018 - MAY 2020 (2-4 hrs/wk)

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

Science Olympiad / Participant

2016 - 2018 (10 hrs/wk, 5 wks/yr)

Other Interests

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

I also program my own small games and projects.

Last Edited 7/20/2020