

Methodical Computer Engineer (B.S.) student with a 3.81 GPA. 2 years of expertise working with machine learning, embedded systems, and mixed-signal system architectures through various mentee programs at Jacobs Engineering, NASA, and Qualcomm. As a research assistant, analyzed biological signal data including heart rate (HR), diastolic blood pressure (DBP), and muscle sympathetic nerve activity (MSNA) taken from patients using non-invasive methods. Seeking to leverage the first-hand experience with computer rendering graphics technology and algorithm streamlining with goals to obtain CompTIA A+/Server+ certification.

Education

San Diego State University

Anticipated Graduation: 2024

- Major: Computer Engineering
- Cumulative SDSU GPA: 3.81 on a 4.0 scale

Northwest Career and Technical Academy

Graduated: 2019

- Program Area: Engineering
- Cumulative GPA: 3.977 on a 4.0 scale
- Class Rank: 10 of 420 students

Professional Experience

- Crew Member for Trader Joe's January 2022 - Present
 - Trained new employees, organized inventory and product ordering, helped with delivery distribution, and provided customer service
- Mentee of NASA Aerospace Engineer December 2017 - Present
 - Constantly mentored by current NASA Aerospace Engineer
- Research Assistant for SDSU July 2021 - August 2021
 - Studied under Dr. Toreyin
 - Utilized statistical learning methods in MATLAB to create probabilistic models and demonstrate the likelihood of MSNA bursts based on predictor variables

Community Service

- *SDSU Mathematics Engineering Science Achievement (MESA)* September 2019 - Present
 - Consistent volunteer for MESA Day as a guest judge for robotics competitions
 - Volunteer in various club activities – guest speaker, a volunteer organizer
 - Worked under *Qualcomm, Viasat, Tellie.tv, Jacobs Engineering*, etc.
- *The Animal Foundation* November 2018 - May 2019
 - Organized for NHS to routinely offer services for Las Vegas Animal Foundation

Activities, Honors, Awards

- 2017/2018 AIA Top Honor HS Design Award Winner
- Completed a total of 202 community service hours
- *SDSU Mathematics Engineering Science Achievement (MESA)*
 - Active member 2019 - Present
- *SDSU Institute of Electrical and Electronics Engineers (IEEE)* 2020 - Present
 - Active Member
- *Math Club*
 - Vice President 2017 - 2019
 - Secretary 2016
- *National Honors Society*
 - President 2018
 - Secretary 2017
- *Skills USA, Engineering/Drafting Team*
 - Vice President 2018

Skills

- Programming: *MATLab, C, Assembly, C++, Java, and HTML*
- Photo editing: *Adobe Photoshop and various photo-manipulation tools*
- Engineering drafting tools: *Autodesk AutoCAD/Revit/Inventor 2015+, SOLIDWORKS 2015 +*
- Building and programming various robots/electronics (*Arduino*)