

# ALI VANDRA

San Diego, 92115, CA  
530.559.8634 | avandra54@gmail.com

## **EDUCATION**

SAN DIEGO STATE UNIVERSITY

Majoring in Mechanical Engineering – emphasis in Bioengineering – 2023 to Current

## **PROJECTS**

*VOLUNTEER AT COMPUTATIONAL ACTIVE MATTER LAB:*

Spring 2025 – Current, Under Dr. Katira at San Diego State University, Research and experimentation on Self-Assembly NANO-SATELLITE:

Collaborated with a team to design a Solid Works nano-satellite to capture pictures of outer space, Created the drawings & design for the camera

*DISSECTION OF SHEEP'S HEART:*

Dissected sheep's heart, eyeball, & brain to observe & identify internal structures

## **RELEVANT COURSEWORK**

Molecular Biology, MATLAB, SolidWorks, Calculus I-III, Statics and Dynamics, Methods of Analysis/Linear Algebra, Electromagnetics, Human Anatomy, Medical Terminology, Materials, Elementary Statistics, Chemistry, Chemistry for Engineers

## **INVOLVEMENT/CLUBS**

*SOCIETY OF ASIAN SCIENTISTS AND ENGINEERS:*

January 2025 – Current, Founding member of SDSU's Chapter, Treasurer

*BIOMEDICAL ENGINEERING SOCIETY:*

August 2025 – Current, Secretary

## **SKILLS**

*HARD SKILLS:*

SolidWorks, MATLAB, Microsoft Excel, Google Workspace, Chemistry and Biology Lab Experience, Advanced Math, Data Entry and Analysis, Research

*SOFT SKILLS:*

Communication, Teamwork, Adaptability, Attention to Detail, Customer Service, Leadership

## **ADDITIONAL EXPERIENCE/WORK**

*THE FRENCH OVEN BAKERY:*

March 2024 – Current, Order filler, barista, cashier, customer service, opener, closer, etc.

*BUBBAS BAGELS:*

June 2022 – August 2025, Order filler, barista, cashier, customer service, opener, closer, dishwasher, new trainee handler, etc.

*MIYAGI'S GYMNASTICS ACADEMY:*

August 2019 – June 2022, Recreational coach, Level 2-3 Competitive Coach, Level 3-4 Coaching Assistant, Birthday Party Host