# JASON DAO

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## EDUCATION

**Arroyo High School**                                                                                      GPA 4.43
Graduate, Valedictorian                                                          August 2020 - June 2024
**University of California, Irvine**                                                              GPA 3.886
Mechanical Engineering Major, Campuswide Honors                 September 2024 - present

## PROJECT EXPERIENCE AND LEADERSHIP

**Anteater Electric Racing**                                                    October 2024 - present
*Aerodynamics Engineer, Monocoque Subteam Lead*                                    Irvine, CA
- Leading team of 5 for research and development of a composite carbon fiber monocoque
- Used project management techniques such as critical path method to create a clear timeline and efficiently assign tasks, reducing estimated development time by 3 months
- Hands-on work in composite manufacturing to create carbon fiber wings and parts for destructive testing
- Experience in CNC machining, prototype manufacturing, and 3D printing
- Use of SolidWorks CFD to optimize airfoil AoA and positioning, creating dual-element wing

**AIAA's Design, Build, Fly**                                                    August 2025 - present
*Aerodynamics Engineer*                                                                     El Monte, CA
- Conducted trade studies and sensitivity analyses using MATLAB
- Working with Wind Catcher RC to design easily assembled plane kit product

**ENGR 7A/B**                                                               September 2024 - March 2025
*Project/Design Lead*                                                                          Irvine, CA
- Led team of 6 engineers to design/manufacture a radio-controlled rover, achieving 2nd place out of 30+ teams in speed competition
- Coordinated weekly team meetings and organized meeting plans to ensure subteam communication
- Created SolidWorks model for full rover with Ackermann steering linkage + coroplast chassis

## WORK EXPERIENCE

**Brandywine Commons**                                                         January 2025 - present
*Dining Hall Associate*                                                                       Irvine, CA
- Collaborated with a team of 15-25 student staff to streamline meal prep and reduce service delays
- Provided fast and friendly service in a high-volume environment serving up to 3,000 students per day
- Demonstrated reliability and punctuality across 4 shifts per week while balancing academic schedule

## ADDITIONAL INFORMATION

**Engineering Skills** - Design for manufacturing/assembly, iterative design, CFD
**Technical Experience** - SolidWorks, Microsoft 365 (Word, PowerPoint, Excel), MATLAB, CNC Machining
**Strengths -** Communication, Problem Solving, Project Management