

# Sonia Rashid

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## EDUCATION

### University of California, Davis

Expected Graduation: Spring 2024

*Bachelor of Science, Aerospace Science and Engineering*

GPA: 3.5/4.0

*Bachelor of Science, Mechanical Engineering | Minor: History*

- Dean's Honor List, Spring 2022
- Relevant Coursework: Statics, Properties of Materials, Mechanics of Materials, Fluid Mechanics.

## RELEVANT EXPERIENCE

### Team Lead

September 2021 - September 2022

*UC Davis AeroBrick*

*Davis, CA*

- Led a team of 8 through weekly meetings and the aircraft design process for the Society of Automotive Engineers Aero Design West competition.
- Coordinated and delegated tasks for team members and assigned each member to work on a component of the plane (fuselage, empennage, etc.)
- Brainstormed conceptual ideas and prototyped components using AutoCAD 3D modeling software to create a heavy lift aircraft that met the regulations of the competition.
- Researched and compared manufacturing techniques to determine the most efficient and cost effective strategy for final production.
- Worked as a team to solve a variety of problems that arose when designing, assembling or testing the heavy lift aircraft.

## RESEARCH EXPERIENCE

### Undergraduate Researcher

September 2019 – Present

*UC Davis Department of Chemical Engineering*

*Davis, CA*

- Expedite construction of a prototype concentration sensor by analyzing ambient noise reductions compared to an old sensor, improving signal to noise ratio by 89%.
- Sterilize laboratory equipment by following proper lab safety procedures to mitigate risk.
- Perform daily experiments with graduate student peers by setting up procedures in the glove box and tabulating results into Excel workbooks.
- Present results in comprehensible slides to 10+ professors and graduate students, procuring a \$1000 grant for the research laboratory.

## OTHER WORK EXPERIENCE

### Fine Dining Server

May 2022 – Sept 2022

*Asiago's Restaurant and Bar*

*Sacramento, CA*

- Served a 12-table section, managing 5-course meals and large parties while delivering a luxury dining experience for patrons.
- Performed tableside bottle service. Mixed cocktails, and prepared wine, beer, and hot drinks. Ensuring quick and personalized service.
- Maintained an extensive knowledge of seasonal dinner menus and monthly wine offerings.
- Promoted specialty items, wine pairings, and providing personalized recommendations to increase guest check averages.

## SKILLS

**Technical:** SolidWorks, AutoCAD, MATLAB, C++, Google Workspace, Microsoft Office