

# Denver Davis

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## EDUCATION

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**California State University, Long Beach**  
*Bachelor of Science, Aerospace Engineering*

**Long Beach, CA**  
**May 2025**

## SKILLS

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**Software skills:** Solidworks, Matlab, Python, C++, Ubuntu, Labview, Simulink, OpenFOAM/Paraview, Siemens NX, Ansys

**Technical skills:** Power tools, Manometer, Wind tunnel, Thermal measurement, Soldering

**Soft skills:** Critical thinking, creativity, Communication, Teamwork, Adaptability, Problem Solving

## PROJECT EXPERIENCE

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**Long Beach Lunabotics**  
**Team member**

**California State University, Long Beach**  
**Aug 2023 - Current**

- Designed a dumping mechanism for a secondary smaller rover through kinematics in Solidworks
- Physically assembled the dumping mechanism onto the rover
- Worked alongside electrical engineers to help wire and fasten various electrical components within the rover

**Experimental Sounding Rocket Association**  
**Team member**

**California State University, Long Beach**  
**Feb 2024 - Current**

- On boarded to a project developing an open source liquid fuel rocket design code
- Developing a flowmeter through cavitating venturi tubes
- Planned rocket launch in summer 2024

**Computational Fluid Dynamics**  
**Research Assistant**

**California State University, Long beach**  
**Nov 2023 – Mar 2024**

- Computational fluid dynamics analysis of hydrogen jet crossing flames using Open Foam/Paraview

**Big Idea Challenge**  
**Hardware/Software lead**

**California State University, Long beach**  
**Oct 2023 – Feb 2024**

- Led a team of electrical, aerospace, and computer engineers
- Supervised the development of a space rated solar powered battery system for a self sufficient system.
- Simulated stress reports of system in Solidworks and Ansys
- Established a fluid free thermal system to operate in a closed system within a vacuum.

## WORK EXPERIENCE

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**RELI Installation**  
**Technician**

**Bloomington, CA**  
**Jun 2022 - Aug 2023**

- Proficiently utilized power hand tools to install cameras, brackets, and other components.
- Added fuses and rewired the electrical systems of automotive vehicles
- Installed over a 100 Axon Fleet 3 camera systems into law enforcement vehicles
- Skillfully maintained and tracked physical inventory utilizing Microsoft Excel.
- Executed precise calibration of ethanol solution for ignition interlock devices.