

# Diego Miguel Reynoso Ramos

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## Education

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**University of California Los Angeles** **Sep 2024 - Dec 2026**  
Pursuing B.S., Aerospace Engineering | GPA:3.8

**East Los Angeles College** **Aug 2022 – June 2024**

## Skills and Relevant Coursework

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- Software: SolidWorks, HTML/CSS
- Course: M20 (MATLAB), MAE 105A (Thermodynamics), MAE 103 (Fluid Mechanics).
- Languages: English (fluent), Spanish (fluent)

## Technical Projects

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**Mars Rover Project, 2024 UCLA HAcK Competition** **Summer 2024**

- Competed in a 48-hour design challenge to develop a remotely controlled rover equipped with a working humidity/temperature sensor, ultrasonic sensor, and camera, all accessible through a custom-built website.
- Led the CAD team in designing the rover's chassis and played a key role in iterating and refining the design of the claw and arm mechanisms used for payload retrieval.
- Submitted a design review presentation to a panel of judges, received honorable mention for manufacturing skills.

**Group Mid-Powered Rocket Project, ENGR-1RK, UCLA** **Fall quarter 2024**

- Led the design, construction, and testing of a G-class rocket as part of a team of 3 students, using CAD/SolidWorks for the design process and Open Rocket for simulation and analysis.
- Manufactured rocket components using fiberglass layups, laser-cut materials, and 3D-printed parts while adhering to strict tolerances.

## Work Experience

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**Mathematics Tutor at (MESA) ELAC** **July 2023 – Sep 2024**

- Tutored Mathematics, Chemistry, and Physics, collaborating with staff to enhance student success.

**Shift Lead at McDonald's** **Aug 2022 – July 2024**

- Supervised daily operations during shifts, coordinating team activities to maintain efficiency and service quality.

**Merchandise Associate at MARSHALLS LLC** **July 2021 – Aug 2022**

- Consistently recognized as a top performer in credit card sign-ups, earning the store's all-time record.

## Academic Achievements and Awards

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- Dean's List: Spring 2023, Fall 2023, Spring 2024
- Award: The Kinecta Scholarship for Jr. College Transfer Students recipient