

Dane Kelii

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EDUCATION

University of California, Irvine

Sep 2023 – Jun 2027

BS, Chemical Engineering & BA, Business Economics

Dean's Honor List

Irvine Valley College

Dec 2024

Real Estate Sales Certificate

WORK EXPERIENCE

Kumon, Tustin CA

Mar 2023 - Sep 2023

- Responsible for assisting 1-2 students (K-12) at a time in their reading and math skills
- Worked along with other tutors to create lesson plans and record learning progress for each student
- Reviewed papers, graded tests and homework, and recorded the progress of students

PROJECTS

Chem-E Car, UC Irvine

Sep 2023 - Present

Member of Stopping Team

- Working in a team of seven students to design a stopping reaction for a small chemically powered car conforming to the AIChE Chem-E-Car Competition Rules
- Designed mechanisms for the Sodium Thiosulfate and Hydrogen Chloride reaction, recorded results of reactions, and wrote lab reports on the progress of the car and the mechanisms created
- Achieved 1st place in the AIChE 2024 Western Student Regional Conference

Solar Car, UC Irvine

Jan 2024 - Present

Member of Operations Team

- Managing ZotSun's Instagram, LinkedIn, and Facebook
- Raising funds for the project through fundraisers, project competitions, and sponsorships
- Managing the funds of the project
- Completing purchase order forms through UC Irvine

Autonomous Rover, UC Irvine

Jan 2024 - March 2024

Team Leader

- Led a team of six engineering students to design an autonomous rover controlled by an Arduino
- Designed CAD model in Solid Works and programmed an Arduino to maneuver a course
- Created a mock business plan for the autonomous rover

RC Car, UC Irvine

Sep 2023 - Dec 2023

Member

- Designed the layout of the car through sketches and digital drawings, modeled the electronics using Tinker cad, and designed the CAD model in Solid Works
- Fabricated the rover using workshop tools and soldering
- Managed the team budget and created Gantt charts

SKILLS

Technical: SolidWorks, MATLAB, Python, TensorFlow, HTML/CSS/JS, Microsoft Office, Fusion 360, Canva

Language: Spanish (Working proficiency)