

Saingyou Eung

seung@uci.edu

562.314.9222

www.linkedin.com/in/saingyoueung

Education

University of California, Irvine

Bachelor of Science (B.S), Aerospace Engineering

September 2017 - June 2021 (Expected)

Irvine, CA

California Academy of Mathematics and Sciences

August 2013 - June 2017

Carson, CA

Experience

UC Irvine Solar Airplane - Project Manager

June 2019 - Present

- Leading the development of a fully operational unmanned aerial vehicle
- Recruiting qualified candidates for each subteam: Avionics, Fuselage, Wing, Tail
- Organizing general meetings for team members to share updates regarding the progress of the project
- Delegating tasks to each team leads to ensure deadlines are met and each team member has specific individual tasks
- Facilitating communication with the team's Project Advisor as well as the Senior Design Project Advisor in the Engineering Department
- Managing purchase order forms for the team to order components for the project

Tutor Doctor - Tutor

February 2020 -Present

- Assisting students from elementary to college level courses with test preparation and daily assignments in math and physics
- Aiding with computer navigation for a senior citizen

UC Irvine Solar Car - Suspension Team Engineer

January 2019 - June 2019

- Researched various types of suspension systems, wheel hubs and tires, and spindles
- Designed suspension system that would best be suited for overall car's design
- Assisted team lead with technical documentation for design plans
- Presented the research and design process for the car's suspension system at the University Research Opportunities (UROP) symposium

UCI ENGR7A Quadcopter Project - Electrical Lead

September 2017 - March 2018

- Managed the electrical system components of the quadcopter
 - Design electrical circuits diagram
- Used SolidWorks to design mounts and base of quadcopter
- Used rapid prototyping methods, including 3D printing and milling, to manufacture the finalized design

VEX Robotics - Manufacturing Lead

August 2016 - April 2017

- Used high-speed electric cut-off tools to remeasure metal parts to suit robot specifications
- Programmed robot's autonomous setting and driver controls with ROBOTC
 - Qualified and competed in VEX Robotics State Championship in Bakersfield, California
 - Qualified and competed in VEX Robotics World Championship in Louisville, California

Skills

Engineering

- AutoDesk Fusion 360
- SolidWorks
- Arduino
- Manufacturing
- Research and Design
- Organization

Interpersonal

- Team management
- Leadership
- Bilingual (Cambodian/Khmer)
- Public speaking
- Negotiation
- Collaboration

Relevant Coursework

- Material Science Engineering Introduction
- Statics
- Dynamics
- Physics: Life in the Universe
- Astronautics - Orbital Mechanics
- Thermodynamics
- MATLAB
- Network Analysis
- Calculus II
- Mechanics of Structures