

KEN CARSON

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EDUCATION

University of California Irvine, Irvine, CA
Bachelor of Science, Mechanical Engineering
Specialization in Design of Mechanical Systems

June 20XX

Art Center School of Design, Pasadena, CA
Product and Transportation Design Course

December 20XX

ENGINEERING PROJECT EXPERIENCE

UCI Formula Society of Automotive Engineers (FSAE) Race Team

September 20XX - Present

Lead Chassis Engineer

- Lead a team of 6-8 students in the design of a lightweight, chrome-moly space frame chassis to conform to SAE rules, and successfully integrate other vehicle subsystems for 20XX race car
- Manage a team of 6 students to manufacture and assemble the prototype chassis and to package components for final assembly

UCI Engineering Design in Industry Program: The Dolphin Project

March 20XX - June 20XX

Team Member

- Collaborated with a team of 5 engineers to perform a design and feasibility study of the energy savings of a bulbous nose design to a 30 ft displacement yacht with expected savings are in the range of 30%

Extreme Gravity Racing

January 20XX - September 20XX

Lead/Team Member

- Led team for the UCI Extreme Gravity Racer Event by managing a 4-person team to construct a steel tube space frame chassis
- Helped design and construct the UCI Extreme Gravity Racer which won the 20XX Most Innovative Design Award
- Independently responsible for the CNC machining of components for innovative steering system

LEADERSHIP EXPERIENCE

UCI Student Section, American Society of Mechanical Engineers

May 20XX - June 20XX

President

- Facilitated weekly board meetings to discuss weekly progress on projects as well as organization's overall goals and mission to support 80-member club of mechanical engineering students at UCI
- Organized social and professional events such as professional visits from Kiewit Pacific and Northrop Grumman, as well as an annual Engineering Alumni Night and Engineers' Week BBQ

ACTIVITIES

UCI Student Chapter, Society of Automotive Engineers

May 20XX - June 20XX

Member

- Collaborated with team of 10 on the 20XX Formula SAE car restoration project to update and test the car for the FSAE practice event

TECHNICAL SKILLS

Drawing: Perspective drawing, basic rendering, Adobe Photoshop and Illustrator

Design: SolidWorks, Mathematica, CosmoWorks

Manufacturing: FeatureCam, CNC/manual mill and lathe, TIG and MIG welding

Reporting: Matlab, Labview, Microsoft Office

AWARDS

Excellence in Engineering Design, 20XX

Department of Mechanical and Aerospace Engineering Service Award, 20XX

Most Innovative Design Award, Extreme Gravity Racer, 20XX