**Dylan McDermott**

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**OBJECTIVE:**

An opportunity to be involved in the design, engineering and testing of innovative vehicles.

**EDUCATION**

**University of California Irvine**, Irvine, CA,

B.S. Degree in Mechanical Engineering, Specialization in Mechanical System Design June 2009

**Art Center School Of Design,** Pasadena, CA,

Product and Transportation Design Course December 2005

**ENGINEERING PROJECT EXPERIENCE**

**UCI 2008 Formula SAE Race Team** September 2008 – present

Lead Chassis Engineer. Led a team of 6-8 students in the design of a lightweight, chrome-moly space frame chassis to conform to SAE rules, and successfully integrated other vehicle subsystems for

2008 race car. Managed 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 2008-June 2008

Team Member. Worked with a team of five engineering students to perform a design and feasibility study of the energy saving opportunity in the application of a bulbous nose design to a 30 ft

displacement yacht. Expected savings are in the range of 30 percent.

**Extreme Gravity Racing** January 2006-September 2007

Team Member/Lead. Worked on the design and construction of the 2006 UCI Extreme Gravity Racer, which won the 2006 Most Innovative Design Award. Was team lead for the UCI 2007 Extreme

Gravity Racer. Managed a 4 person team to construct a steel tube space frame chassis and was responsible for the CNC machining of components for innovative steering system. This vehicle won the 2007 Most Innovative Design Award.

**OTHER EXPERIENCE**

**UCI student section, American Society of Mechanical Engineers** May 2006-June 2007

President. Organized social and professional events for mechanical engineering students such as professional visits from Kiewit Pacific, and Northrop Grumman, as well as an annual Engineering

Alumni Night, and Engineers’ Week BBQ.

**UCI student chapter, Society of Automotive Engineers** May 2006-present

Member. Worked on the 2006 Formula SAE car restoration project to update and test the 2007 car for the 2008 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**

2008 Excellence in Engineering Design

2008 Department of Mechanical and Aerospace Engineering Service Award

2007 Most Innovative Design Award, Extreme Gravity Racer

2006 Most Innovative Design Award, Extreme Gravity Racer