



Formula SAE 2015 - Savage

Advisor: Dr. Michael McCarthy



Background:

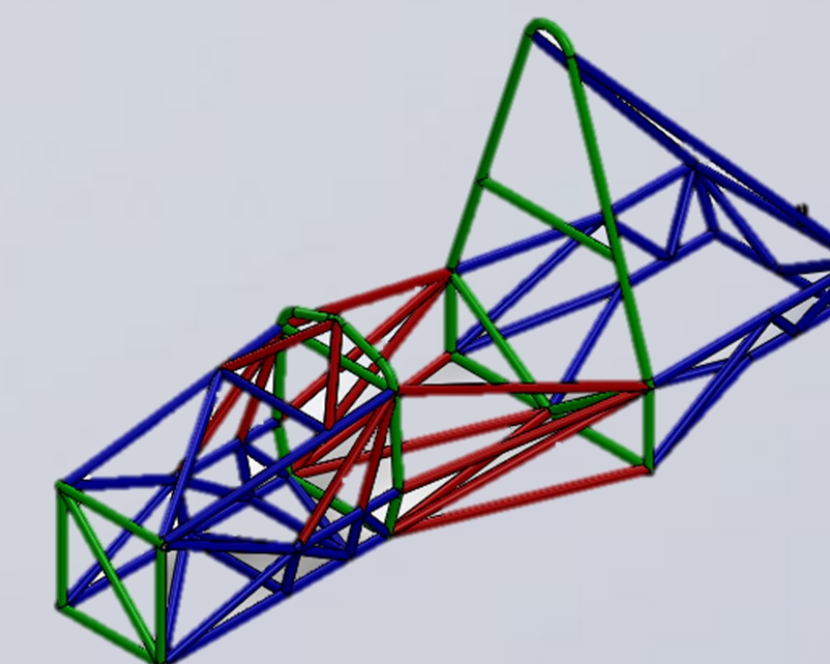
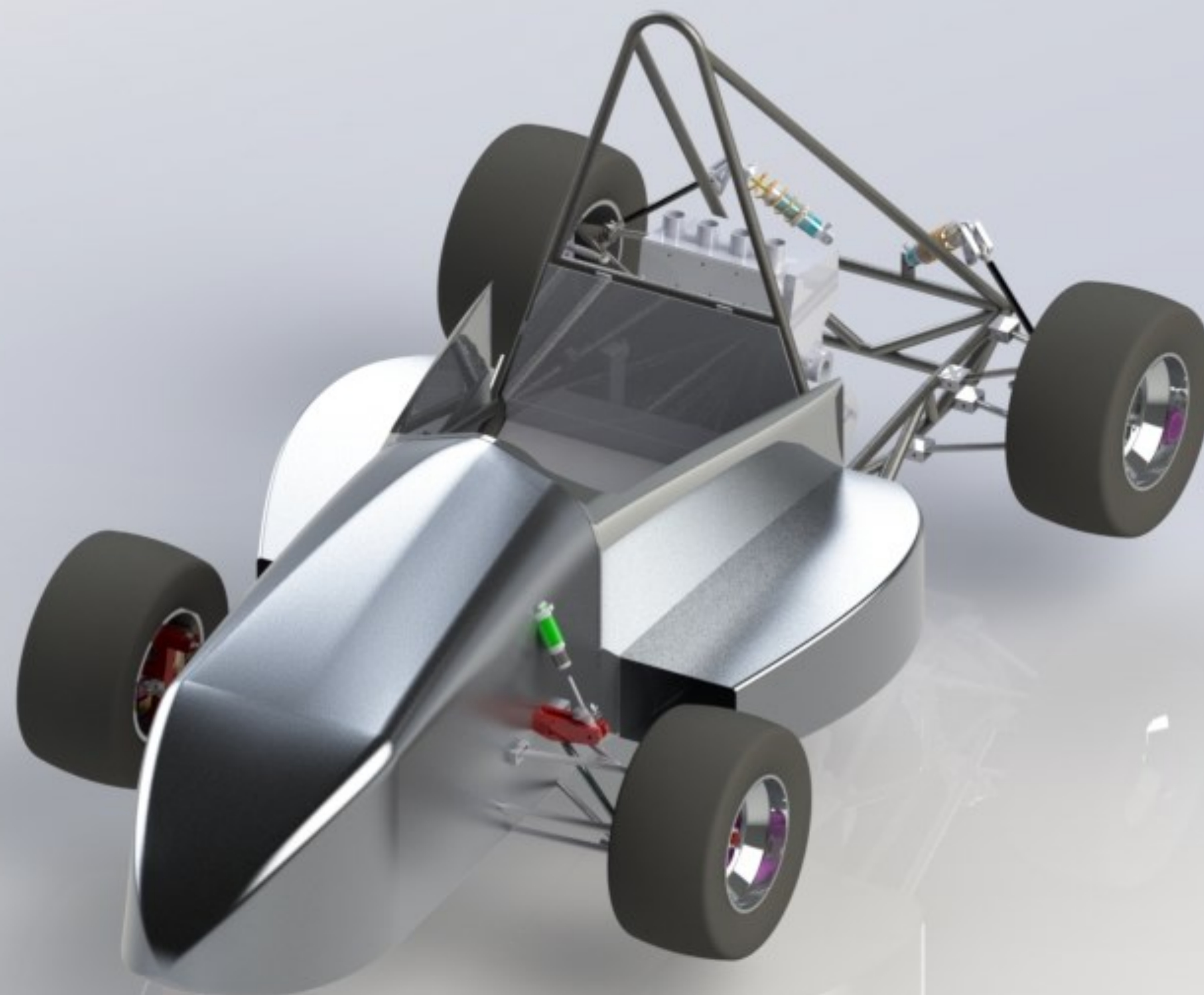
The FSAE Racecar project is a Mechanical Engineering project that designs and builds a Formula style racecar to compete in an intercollegiate competition. In this particular project, we are building an internal combustion racecar with an aluminum body.

Goal:

Our goal is to successfully complete all events in FSAE Lincoln.

Objectives:

To run successfully in the upcoming competition, we need to explore efficient and effective ways to design and manufacture the different subsystems on the car. This entails learning new skills and outsourcing certain services.

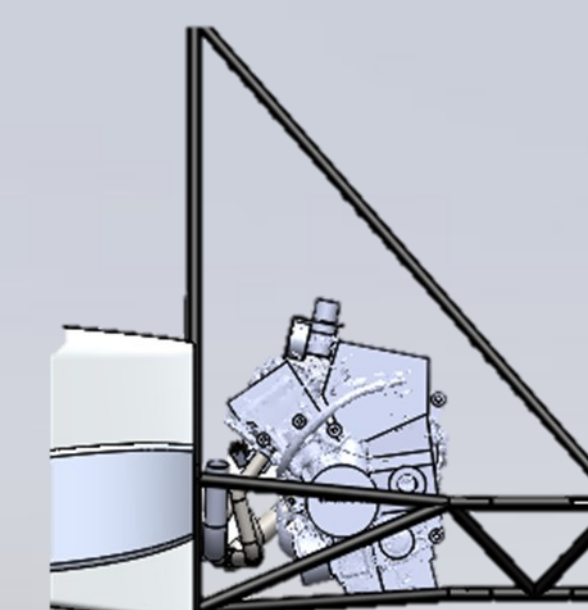
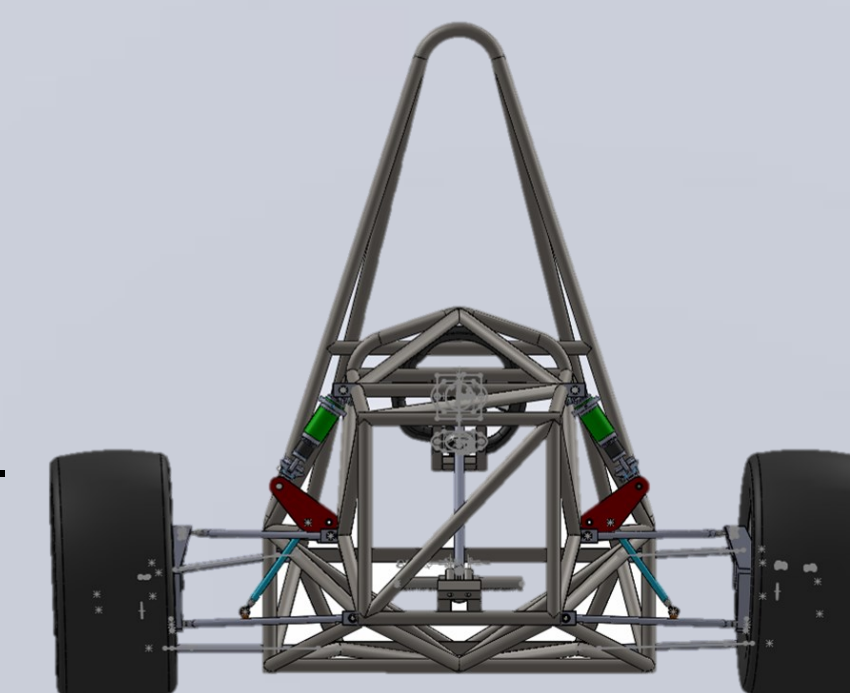


Chassis

The Chassis sub-team fabricated the entire chassis from 1018 Mild Steel tubing. The sub-team also mounted and connected the other subsystems.

Suspension

The Suspension sub-team designed and fabricated the system that dictates the handling characteristics of the car.

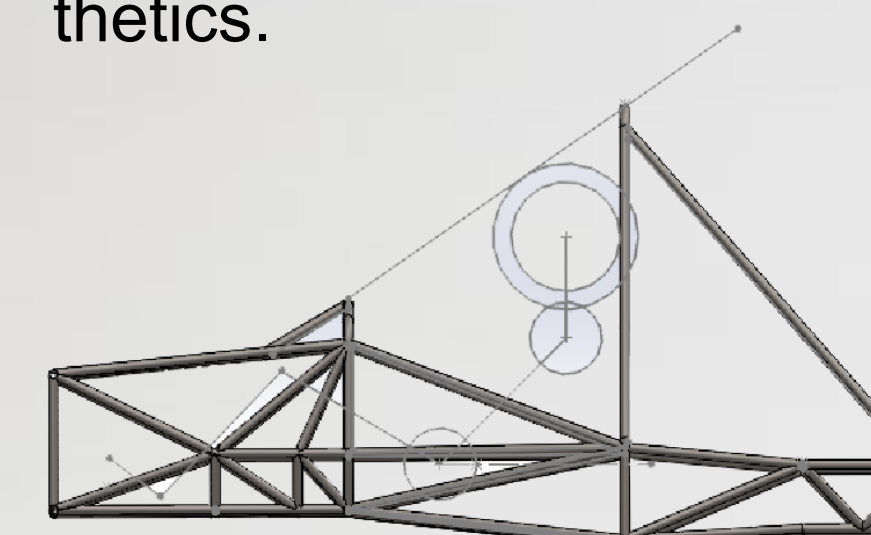
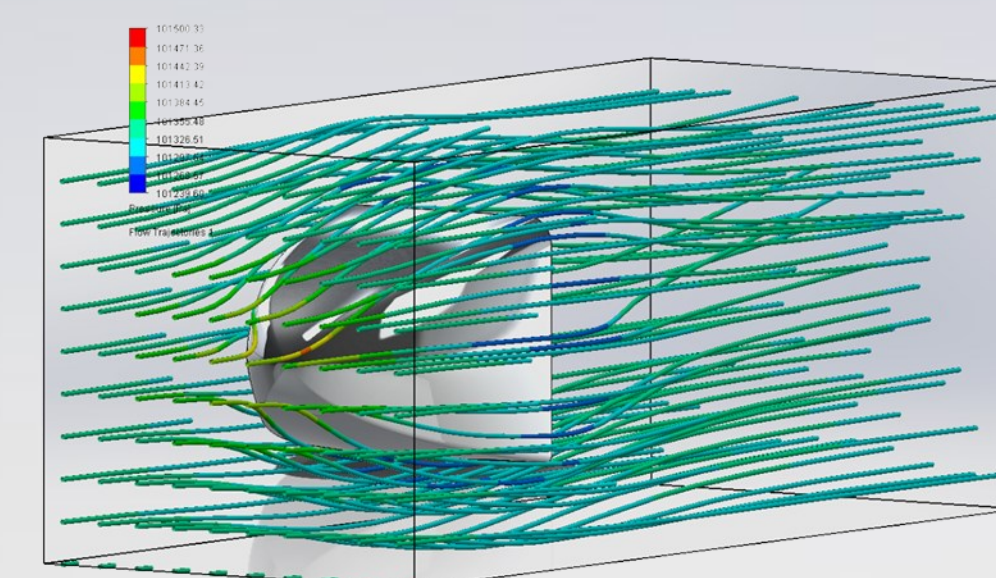


Powertrain

The Powertrain sub-team is responsible for providing power to the car from the engine and all related components.

Aero/Body

The Aero sub-team is responsible for designing and fabricating the body that improves aerodynamics and outer design aesthetics.



Human Interface

The Human Interface sub-team designed and fabricated every part of the car that the driver touches, providing input to the vehicle.

Team Members:

Harrison Lu, Nawid Mehrzai, Zach Milbourn, Michael Mills, Chris Ponce, Antonio Tejada, Rogelio Arango, Jonathan Chen, Chris Uisan, Russell Xing, Valentine Duong, Eric Huang, Janice Nakanishi, Andres Ruiz, Vaz Frnzyan, Shiang Lin, Rodrigo Murillo, Nhu Nguyen, Winslow Thai, Blake Wanser, Nicholas Whitehead, Chris Lee, Kat Berrio, Brian Pham, Jacob Jimenez, Chris Malabed, Sean Newell, Davis Nguyen, John Fouts, Jacob Pearlman, Kaylee Takigawa, Tyler Nelson.

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