



Aerodynamics - Charles Fischer

Charles is a junior majoring in Aerospace Engineering and this is his third year with the team. The aerodynamics team conducts the airflow around the car in a way such that the car has minimal drag and maximum downforce. The subteam is also responsible for everything composite on the car, aerodynamic or not. Currently, they are working on a drag reduction system, or DRS, for this year's car, redesigning the side pods, developing an undertray and diffuser, and re-manufacturing every carbon part on the car for the WF22.



Electronics - Nick Smith

Nick is a junior majoring in Electrical Engineering and Materials Science Engineering and this is his third year with the team. The electronics team manages the electrical systems on the car, and collects data from sensors to help tune the car. Currently the electronics team is working on integrating an electronic throttle body, and fine tuning the cars electric shifter system. The car is controlled using a Motec M150 engine control unit, which collects all sensor data and sends signals to injectors, ignition coils, and other actuators on the car.



Frame - Lukas Baker

Lukas is a junior majoring in Mechanical Engineering and this is his third year with the team. The frame team is responsible for designing and manufacturing the chassis of the car. Along with this they also design components such as the steering wheel, pedal tray, and seat. Currently they are working on a redesign of the steel space frame chassis, and researching switching to a hybrid carbon monocoque chassis.



Powertrain - Mike Higgins

Mike Higgins is a senior studying Mechanical Engineering and the Powertrain sub-team lead. There are two main goals for Powertrain this year. The first is to work on developing the tune on the car to create more power without changing hardware. The second goal is to redesign the intake system to create a more efficient and effective design. Working with Powertrain utilizes a variety of skills including 3D Modeling with SOLIDWORKS, ECU tuning, and engine maintenance.



Suspension - Jason Gofandi

Jason is a Mechanical Engineer major in his final year. This is his 5th year in FSAE, 3rd with WFR. The suspension team designs and tests the suspension which includes suspension geometry, suspension parts, CAD analysis, suspension alignment as well as data analysis of suspension on and off track. This year, suspension undertakes a large project, implementing a completely new suspension system with 10" wheels instead of the previous 13".