# JARC - Racecar Data Acquisition System & Emulator

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### Overview

By connecting an Arduino to the race car via an adapter, we will be able to compile vehicle sensor data onto a SD card. Then we will develop a data graphing software that effectively organizes all of the data and displays it in a user-friendly and easy to understand way. The telemetry system will be built using an Arduino kit and an OBD-II adapter with open source Freematics OBD-II libraries (1). To test the telemetry system and software we will also be creating an advanced car emulator composed of various switches and knobs (2).



Team Organization			
Chandler (EE): Mix of both hardware and software components.	<b>Ryan (EE):</b> Focus on hardware and constructing race car emulator.		Modern ra the cost o amateur r dollars so data acqu OBD-II po past, we h develop u
Jonathan (CSE): Focus on software and creating a user friendly interface.	Ahmad (EE): Focus solely on hardware components.		

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ort (3). Even though this has been attempted in the have also set another goal to make the software we user friendly since past attempts were difficult to use.



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