Classic Car, Modern Smarts Real Time Performance Monitoring ANTON Samuel Servati - Dr. PS & Dr. Criag **Final Product** STATE UNIVERSITY OF NEW YORK **Data Flow**

Introduction



Main Thermocouple Adapter Overview

 Acts as the central hub for connecting multiple thermocouples to the Arduino, facilitating accurate temperature readings from various points.

 Provides a robust and efficient interface between the thermocouples and the data processing system.



Practical Benefits: Ensures high accuracy and reliability in temperature monitoring by minimizing noise and signal interference.

•The hot glue encasing makes the adapter durable and well-suited for rugged environments or field testing.

 Modular design allows for easy repairs or upgrades, such as adding more thermocouples or upgrading the breakout board.



•Construction:

 Soldered connections ensure reliability and low resistance.

•Encased in hot glue for: Insulation: Prevents short circuits. •Stability: Protects against vibrations and movement.

•Protection: Shields from dust and moisture.

