Car Robot Remote Control

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Our Objective
Command Line Interface (CLI) Tool for Robot Control

- Allows for easy control of the robot remotely using the computer terminal
  - Arrow keys to control movement
  - Easy to read display of robot information
Web Server Graphical User Interface (GUI)

- Use web browser to view video streams captured by the robot
  - Includes similar features to the CLI tool except viewable on a browser
Robot Calibration

- Fixed the robot’s tendency to drift preferentially right
  - Made a plastic mount for a ball wheel to improve precision
  - Changed DriftFactor value to 10 to correct drift to the left
Spline Path Movement

- Draws a smooth path between points
  - Allows the user to draw a path for robot control
Any Questions?