

# CARBench v0.5

## Point-of-Contact:

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Similar to [MAVBench](#), which is applicable in the context of drones, there is a growing need to develop benchmarks for autonomous cars. To this end, this project will involve developing a suite of applications similar to MAVBench's search and rescue and so forth.

The simulation platform for cars already exists. Checkout [AirSim](#) with support for cars. We need applications and autonomy built into the cars.

## Deliverables:

- Description of the application(s) developed
- Description of the algorithms used and why
- Code to demonstrate working application
- Explanation of the challenges faced
- Basic performance analysis / measurement of the algorithms.

## Skills needed:

- Programming in C++/C
- Some familiarity with ROS would be nice
- Familiarity with AirSim would be nice

## Team members:

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