# Maze navigating car

## Analysis and research

### Initial Problem identification

Robots that can navigate small or restricted areas are invaluable in modern day engineering. They allow project managers and developers to fully map out an area, potentially for development or removal of rubble. Other applications of self-learning algorithms apply to many other sectors of the world, such as car development with calculating the path of least resistance for airflow or calculating the shortest distance between stations in a city. The nature of self-learning algorithms means they can adapt and evolve in a large array of ideas.

To continue this trend, I will hopefully be exploring a small portion of this in self driving cars. I will specifically be using a car to navigate a maze using several sensors to simulate the ability for cars to detect a path to follow. I will be exploring this by creating a small vehicle and attaching either a distance sensor or a colours sensor to follow a specific path, further expanding the path and even adding different routes.

### Identification of stakeholders

Myself: Since I am in charge of the development of system, any hold ups or push backs directly affect me.

Engineer:

Apprentice:

### Research of similar systems

## Design

## Development

## Evaluation