

FUTURE JOB ROLES



ENGINEERING AND RESEARCH & DEVELOPMENT

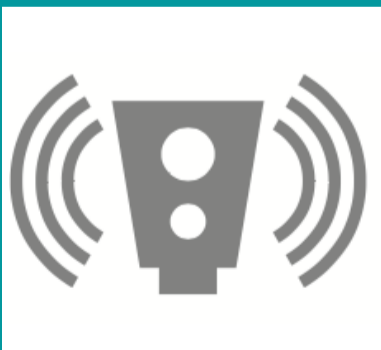
SENSOR FUSION EXPERT



Today, vehicles are already equipped with a growing number of sensors, such as radar, camera, and lidar. However, as self-driving vehicles are gradually reverberating in the near future, the number of sensors is expected to increase even more. Sensor fusion collects the outputs of the different sensors and sensor types and uses the combined information to perceive the vehicles' surrounding environment more accurately.



Sensor fusion is a crucial stage in the car manufacturing process, particularly in self-driving vehicles. Although each sensor has its own limitations, the combination of sensors makes it possible to complement each others' shortcomings and to provide a certain level of redundancy, while at the same time improving the perception of the surrounding environment. Sensor fusion applications must be designed to meet the highest standards of safety and security. As a result, over the last years there has been an increasing interest in hiring sensor fusion professionals.



The emerging sensor fusion expert job role requires the use of expert knowledge and best practice regarding sensors and data fusion to support the production of autonomous intelligent vehicles. These specialists are in a continuous process of learning and researching new trends and techniques to achieve high quality solutions for the automotive industry. In addition, sensor fusion experts have the ability to oversee data fusion lifecycle, anticipate failures and opportunities for improvement, detect malfunctions, and ensure that automated vehicles can operate safely while on the road and thus meet safety requirements.

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