cruise

INTROS TO STUART COLLIN VIDEOS FOR “THINKING LIKE A CAR”

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INPUTS AND OUTPUTS OF THE ORIGIN:

Hello, Cruisers. You know that we have autonomous automobiles out on the road, but did you also know that our AV’s are “thinking” every second they are there? Wondering how that’s possible? Well, imagine you're sitting in a self-driving car, ready to go from point A to point B. At that moment, our AV is already working. It is figuring out where it is, and where it wants to be and then planning the safest route to get there. But once you begin, our AV keeps an eye on everything around it, and adjusts its path in real time to stay on track until you safely arrive at your destination. It’s quite amazing how our technology makes this all possible. Alright, let's head over to Stuart right now, and he'll give us more details on how this all comes together.

EXTRINSIC FEATURES OF THE ORIGIN

Now that we have an understanding of how the car "thinks," let's dive into some remarkable sensors that make it all possible. These sensors are like the car's eyes, enabling it to see and detect things around it. We use three types of sensors in our self-driving cars: cameras for pictures, lidars for measuring distances with lasers, and radars for detecting objects with radio waves. These sensors work together to create a detailed map of the car's environment, helping it make safe driving decisions. Let's hand it over to Stuart to learn more about these awesome components.

INTERNAL FEATURES OF THE ORIGIN

Now, let's take a peek *inside* a self-driving car to see what makes it tick. One of the important things we’ll look at is the computer chips which are like the brain of the car. They’re specially made to handle all the data coming in from cameras, lidars, and radars, and run the necessary AI models. Alongside the chips, there are other key components

inside the car that work together to create a safe and reliable self-driving experience on the road. Let’s let Stuart explain more.

USING THE INPUTS TO GET TO THE OUTPUTS

Alright, so we've already learned about the cool stuff like cameras, lidars, radars, mapping and more in self-driving cars. Now, let's find out how they all team up to make those cars actually drive themselves! In the next session, Stuart will show us how these components work together smoothly, so those self-driving cars can safely cruise on the roads. We'll check out how the sensors help them "see" the world around, and how detailed maps help plan their routes and make smart driving decisions. Get ready to be amazed as we explore how these pieces fit together to create a fully functional self-driving car!