

California State University San Bernardino
School of Computer Science and Engineering

CSE 5953 Undergraduate Independent Study

Date

December 3, 2021

Time

11:00am

Location

Online/Zoom

<https://csusb.zoom.us/j/98898643431>

Title

Self-Driving Robotic Car

Student

Joshua DeLosSantos

Advisor

Dr. Yan Zhang

Abstract

The goal of this independent study was to train a robotic car, similar to one used in our CSE5410 Robotics course, to navigate a path/road on its own. After assembly of the car, it was ran through a course several times in order to collect data. This recorded data was then put through a neural network, which would ultimately produce the trained model used for self-navigation.