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**EEL 4709C – Computer Design**

**Project Proposal**

**Title:** *Lienees Plate Recognition and Location System*

The purpose of this is to be able to recognize and store license plate information and location of cars anywhere with out the need of a photo which takes extremely more space that data does.

The use of a Raspberry Pi 4 along with a modular micro camera and a GPS module to take the picture and track the location of the entries. Once the picture is taken the information is relayed to an API to read and return the information of the plate. The API will return many parameters like car make, model, color, etc. out only interest would be the license plate number and state, so this would be filter using python to only output the desired information.

