

Parking Assistant

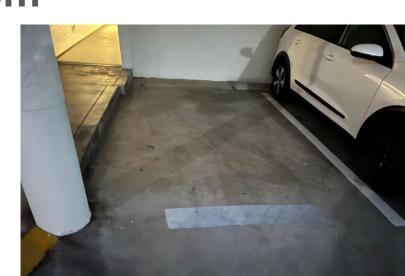


ECE 196 Fall 2024
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https://sites.google.com/ucs
d.edu/team-12/home

Website

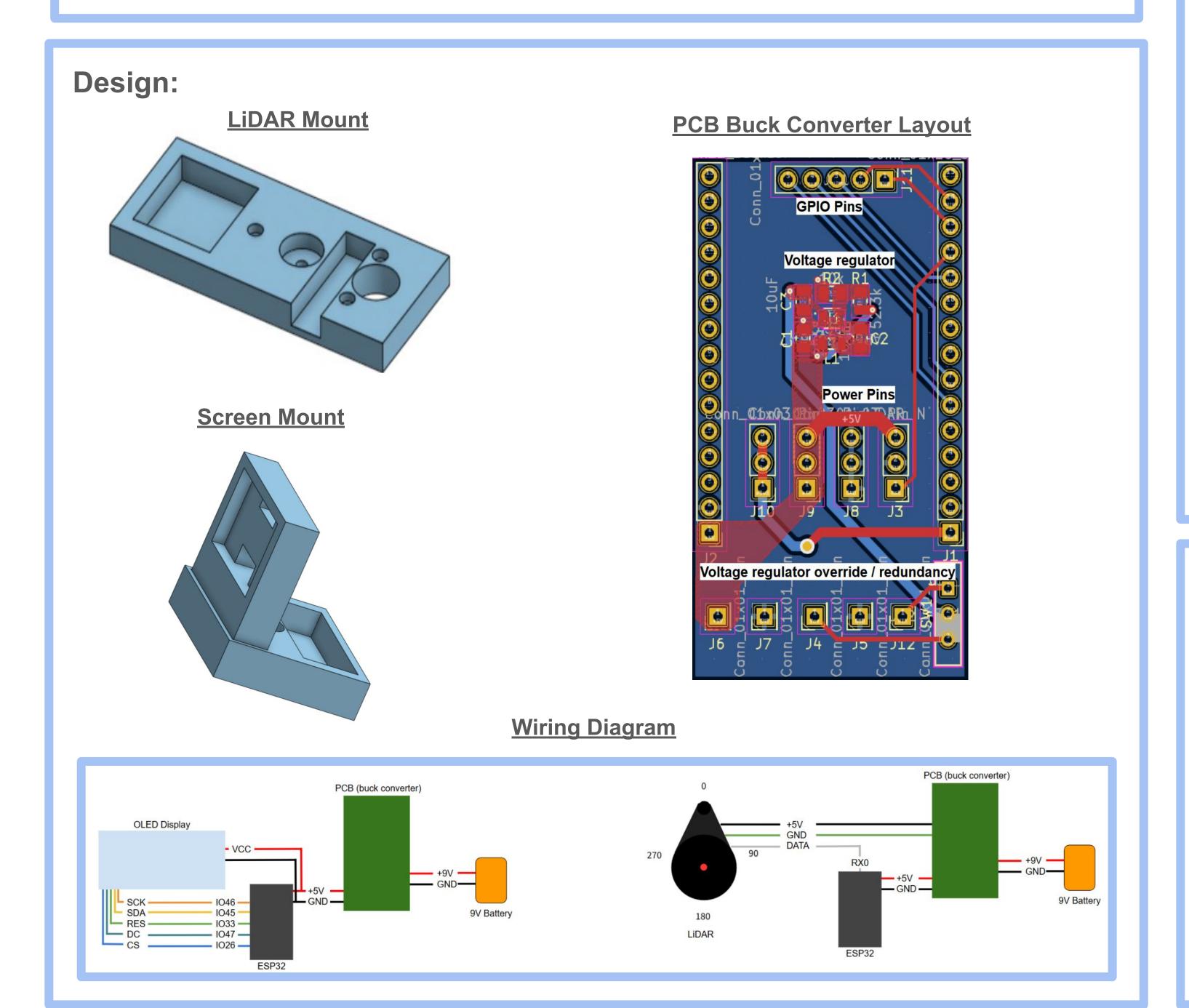
Problem

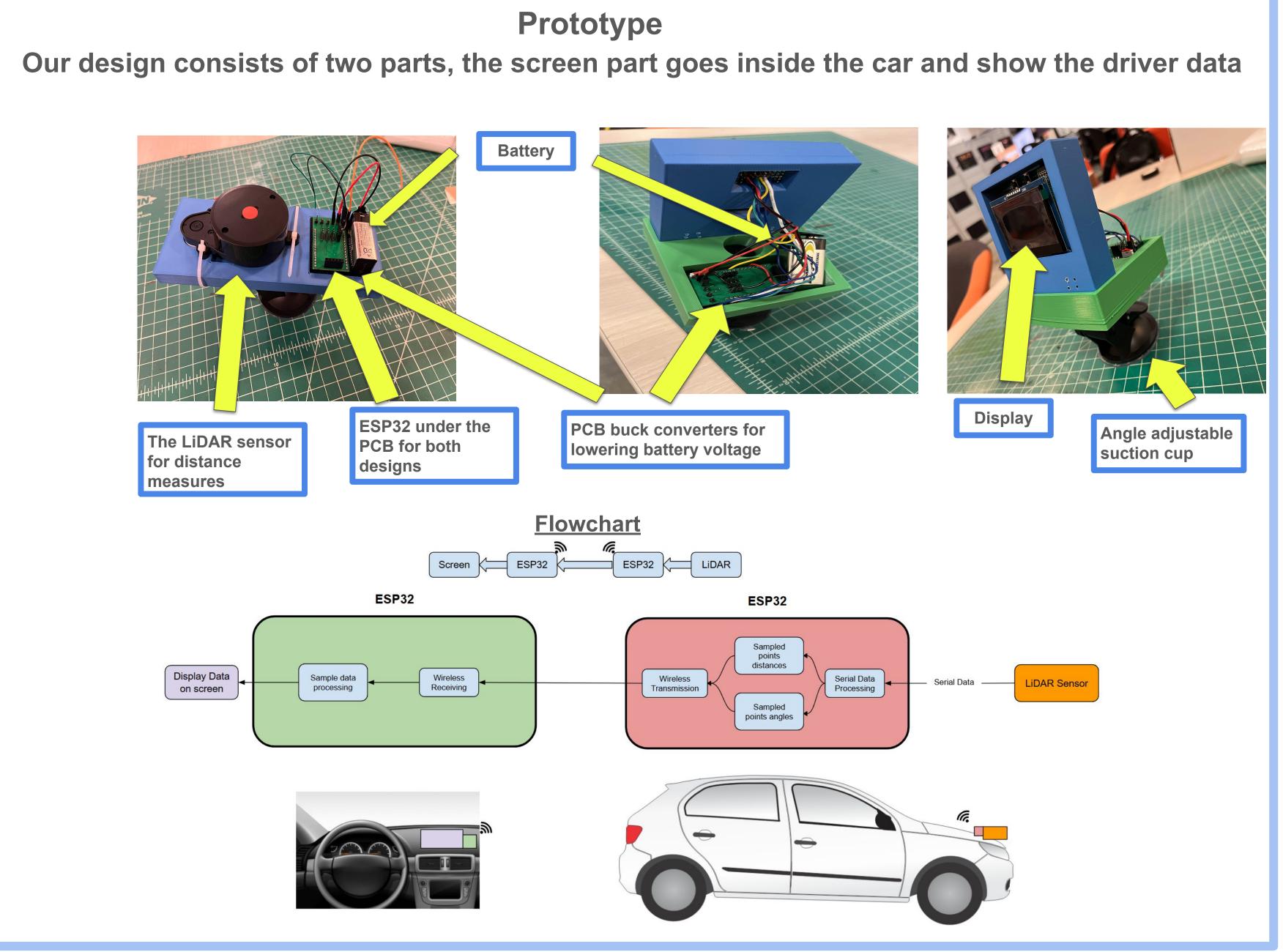
Drivers often encounter parking spots that are too compact to comfortably park into



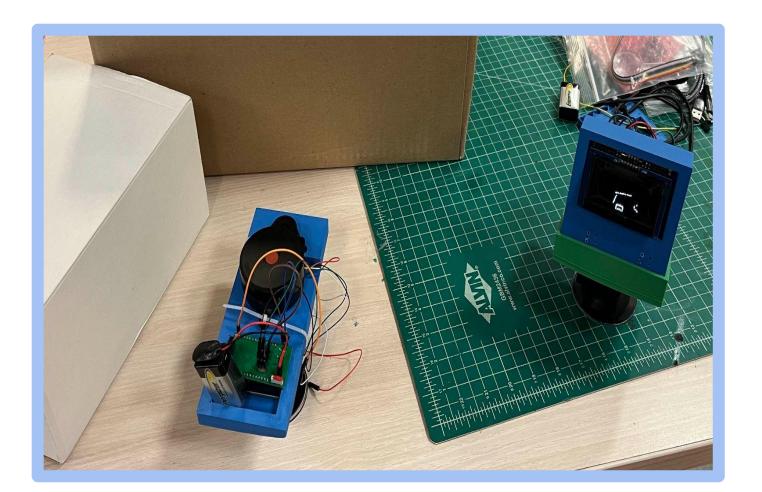
This parking space is too narrow...

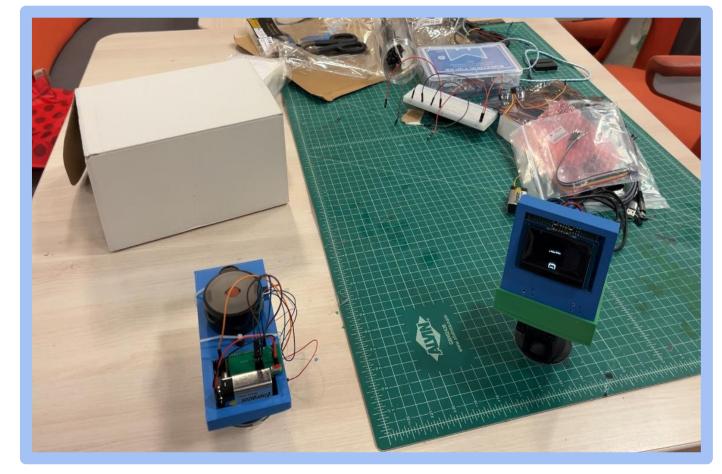
Testable Hypothesis: The lidar sensor correctly measures distances of nearby obstacles, display dots on the screen representing obstacles so the driver knows there are obstacles too close to the car





Results





The lidar accurately measures distances of obstacles around and displays on the screen