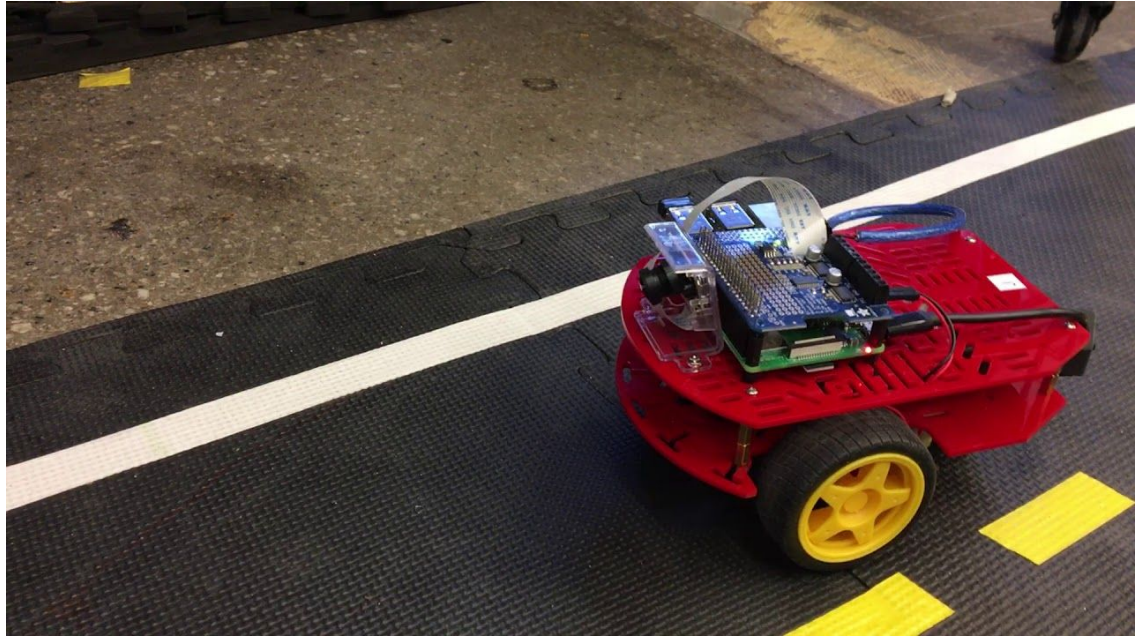


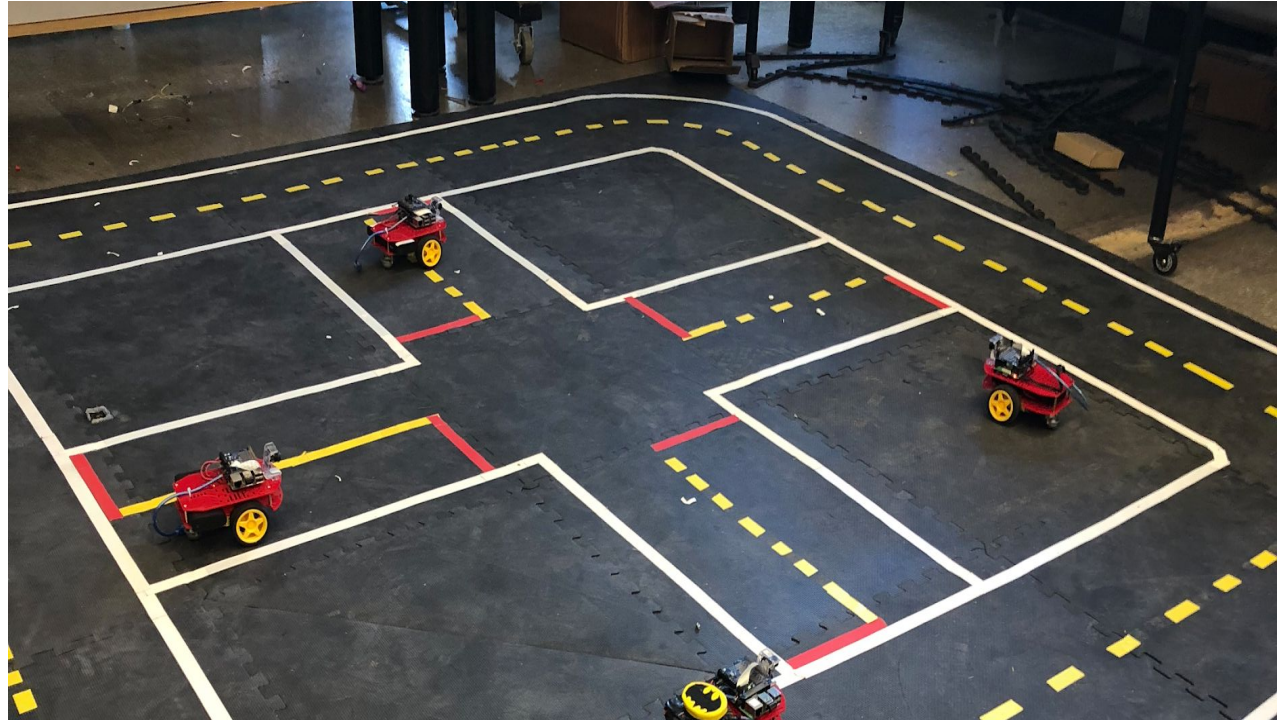
DUCKIE BOT



By: Sander Schulman & Aiyman Akbar

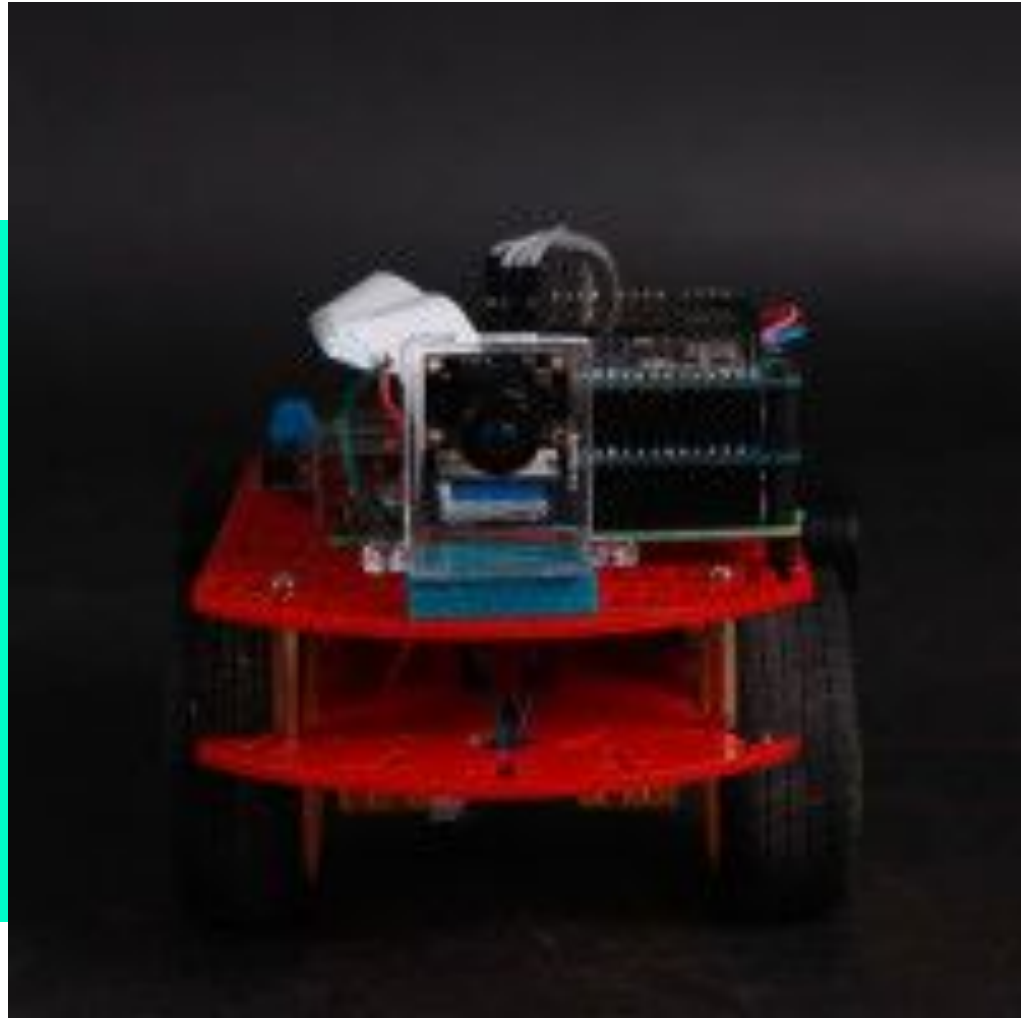
WHAT'S A DUCKIE TOWN?

Duckie Town is a miniature city where self driving robots are tested. The studio was based an MIT course to teach about autonomous driving.



WHAT IS A DUCKIE BOT?

A Duckie bot is a self driving robots that is controlled by code on a raspberry pi. It's powered by a battery which also runs two motors underneath the bot. It sees the world through a camera in the front.

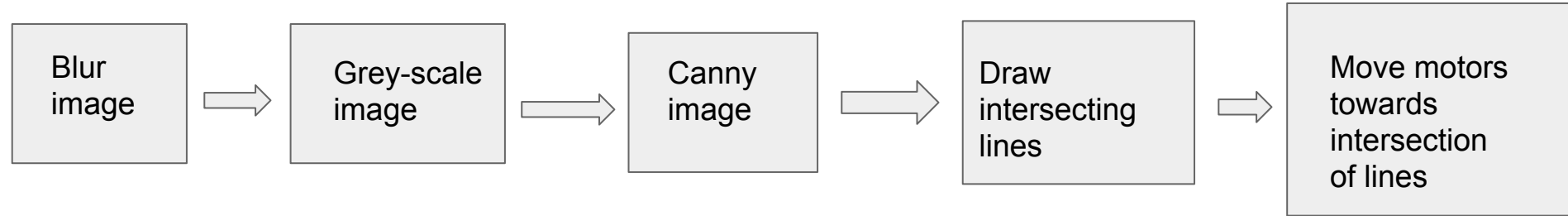


OUR OBJECTIVES:

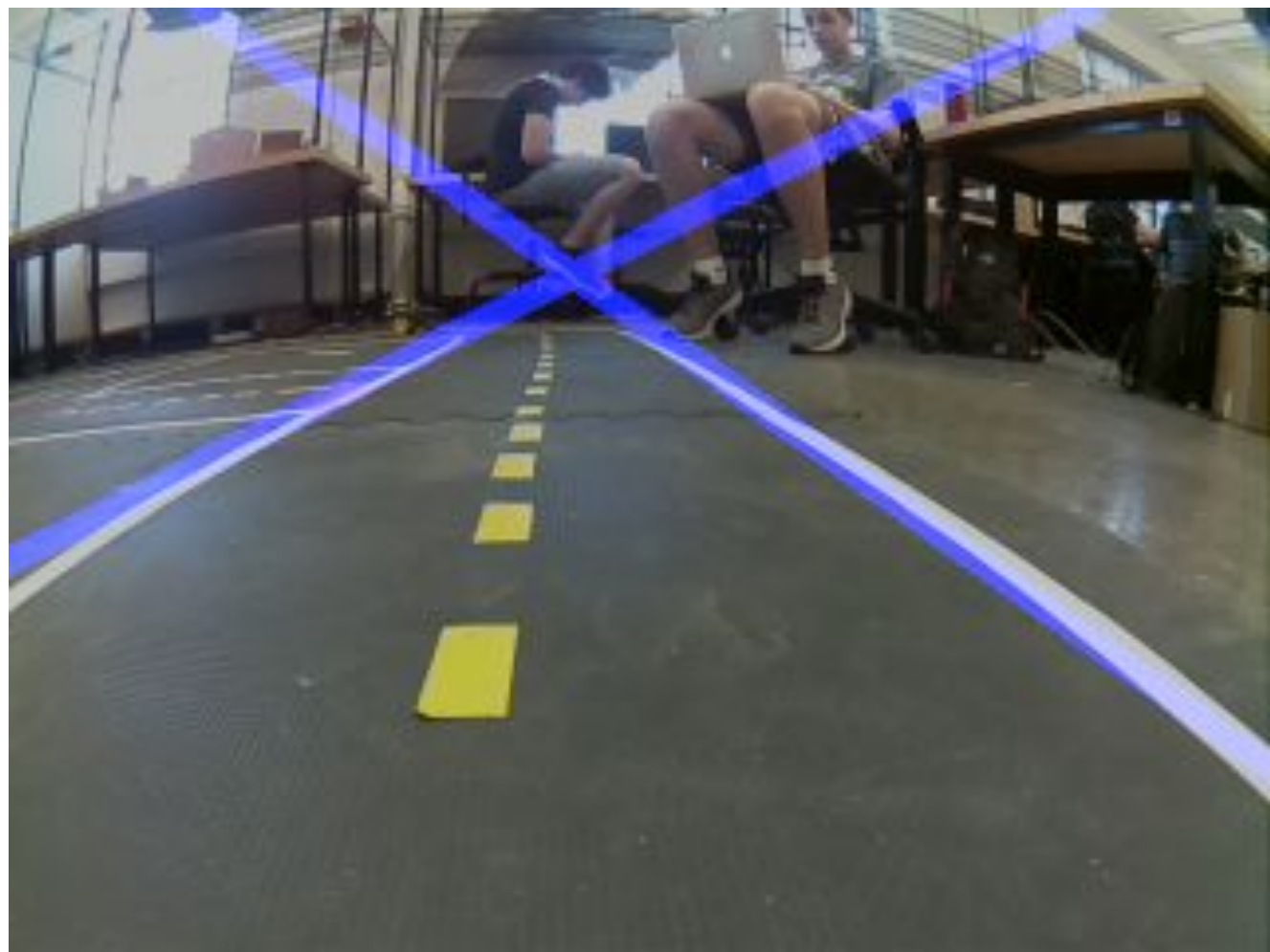
While making our Duckie Bot, our objectives were:

- Get lane detection working
- Be able to drive it with a controller
- Get it to drive by itself
- Live video streaming

ARCHITECTURE DIAGRAM







CHALLENGES

- Someone dropped our duckie bot and it broke
- Getting pipeline to detect edges and lines
- Laggy video stream



feed



FUTURE GOALS

- Turn corners while self-driving
- Improve lane detection
- Get it driving straighter
- Implement stop sign detection