RacingAI K

- Intro
- State of the art
- Hardware
- Training our own model

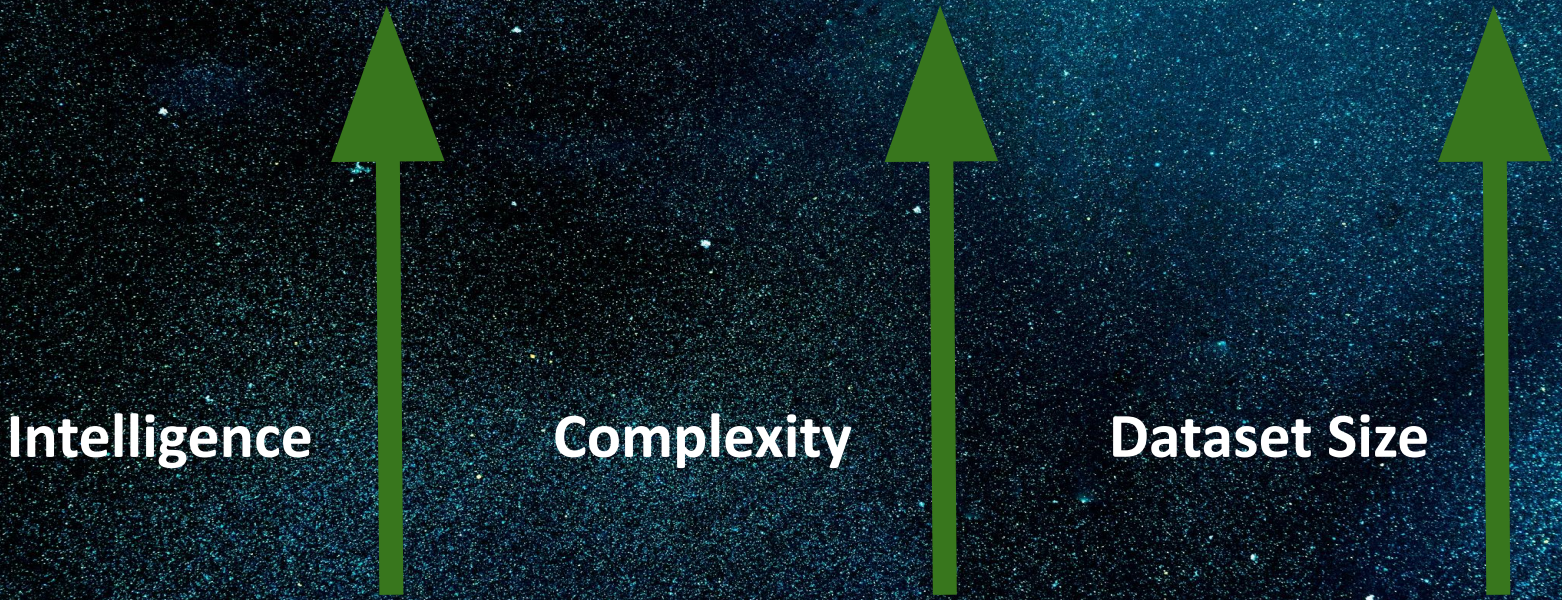
INDUSTRIAL
INFORMATICS
RESEARCH
CENTER

110
TRINITY COLLEGE DUBLIN
adidas
FORMULA STUDENT

P ZERO
PIRELLI

95
PISTON CUP
70

# State of the art



# State of the art

FORMULA STUDENT

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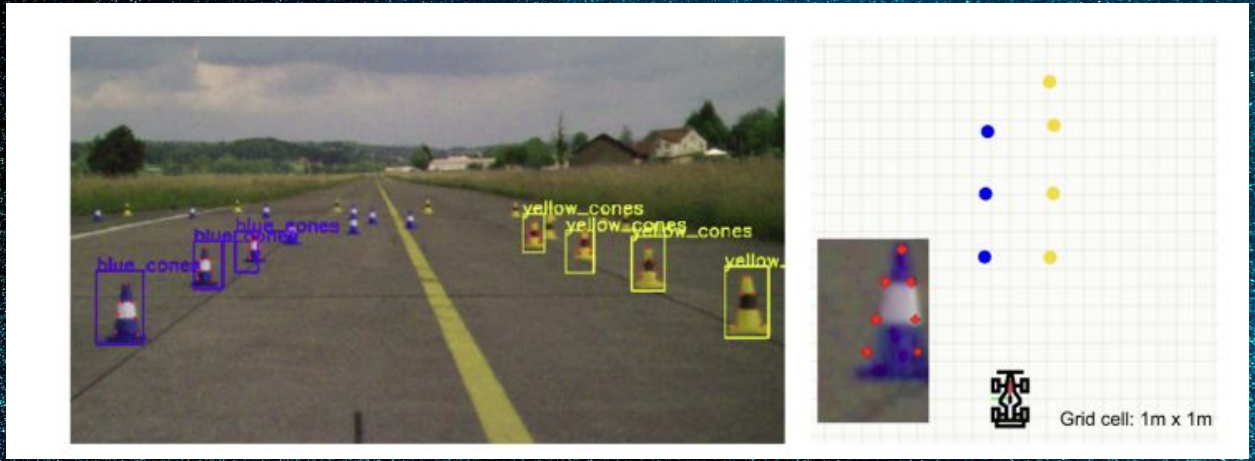
# State of the art

FORMULA STUDENT

AMZ



# State of the art

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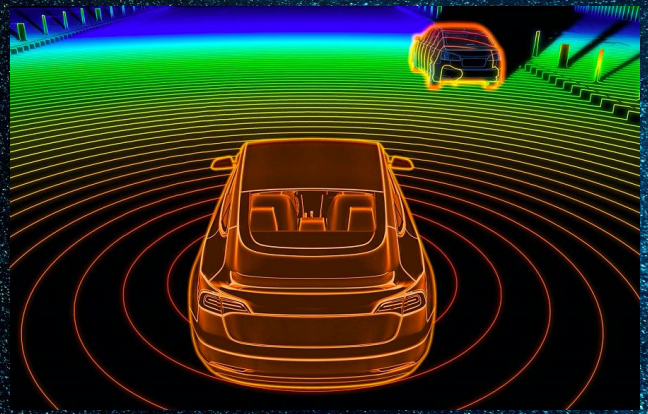

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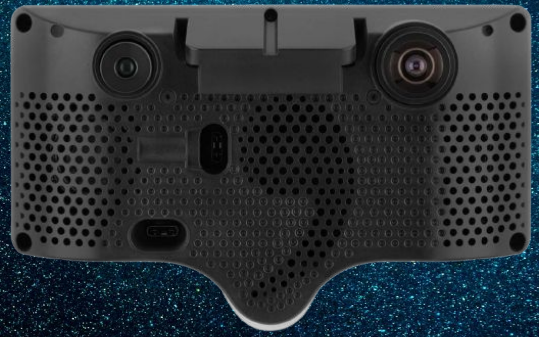
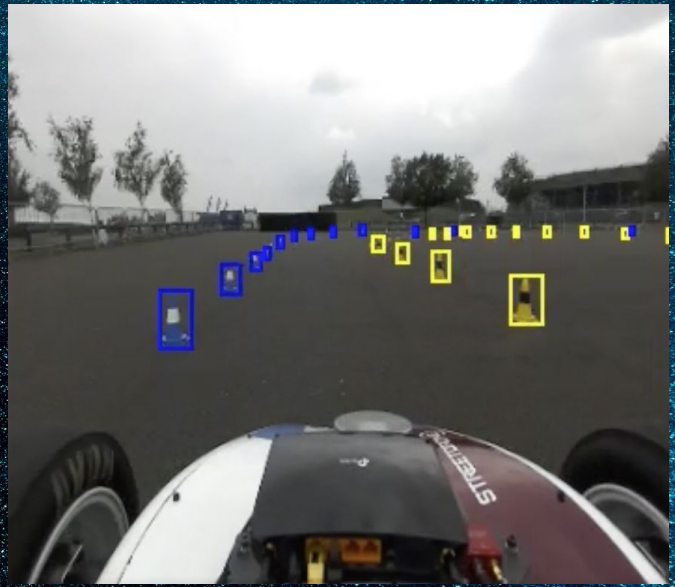


# Cone Detection using Pytorch

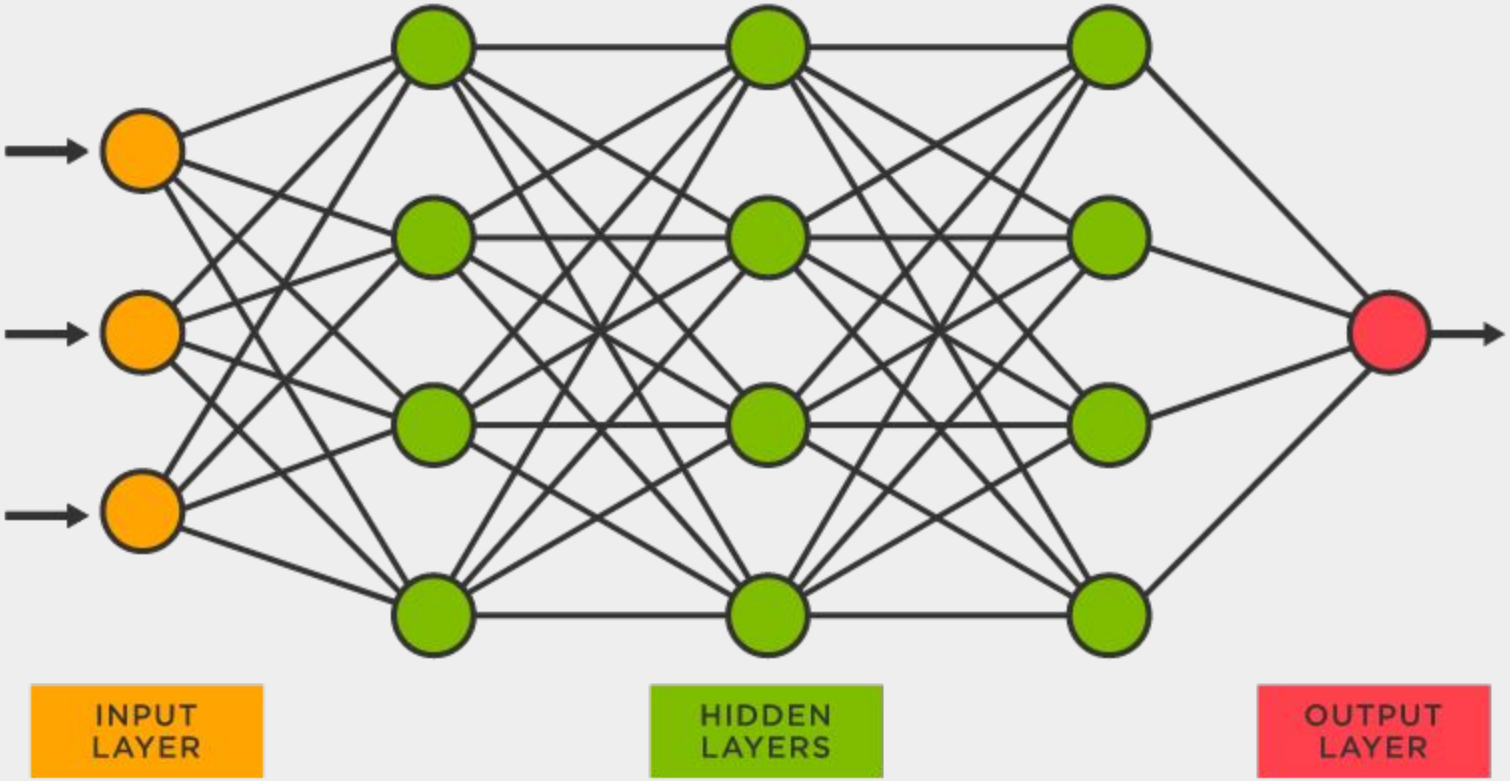
- Can be trained on minimal data
- Deep learning
- Used in Formula Student
- Fits in 1hr

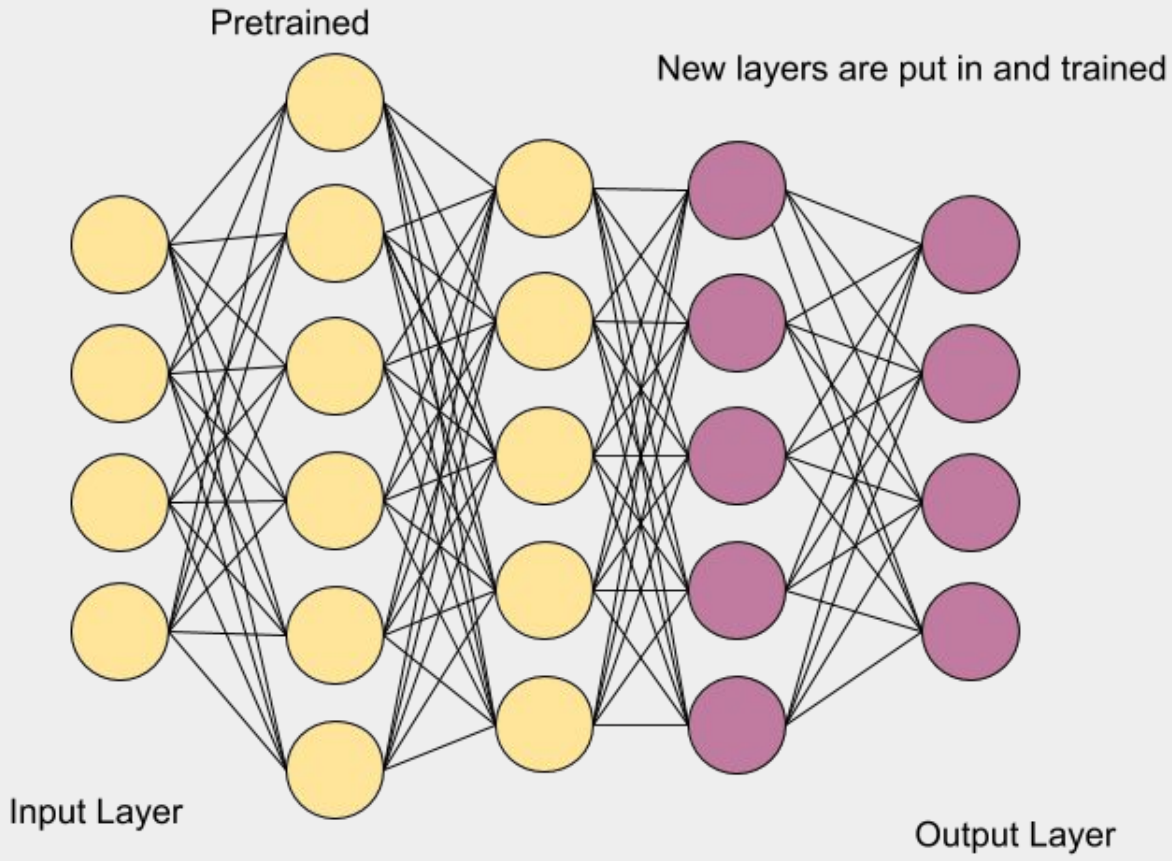


# Let’s get started!

Google Colab (recommended): https://bit.ly/3Yx3MTj

Instructions for running locally: https://bit.ly/3DKzCE8


INPUT LAYER
HIDDEN LAYERS
OUTPUT LAYER


Pretrained
New layers are put in and trained
Input Layer
Output Layer

# What Next?

- Online courses (Coursera Andrew Ng)
- YouTube (Andrej Karpathy)
- Start your own team!
  (Formula Student AI / F1Tenth)

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