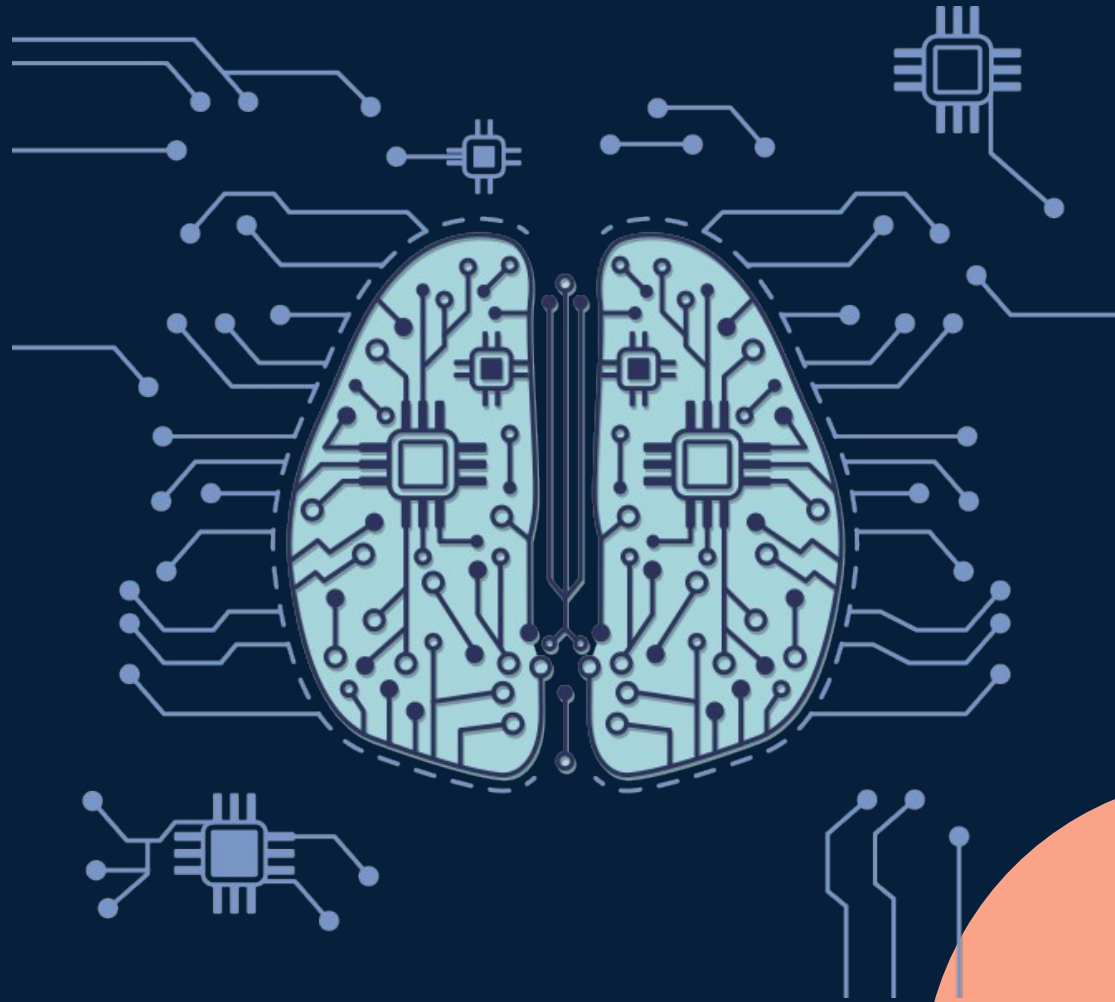


# Recap Episode



# What We Have Learned

## Software / AI

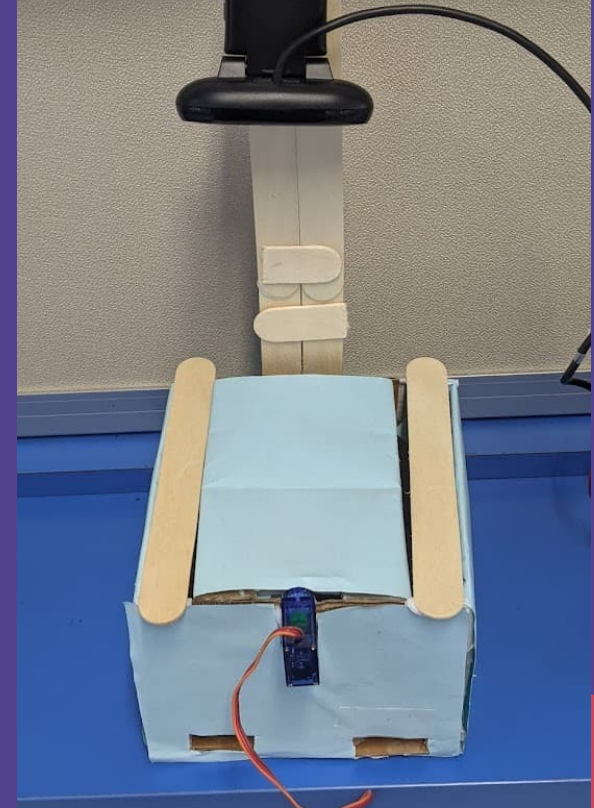
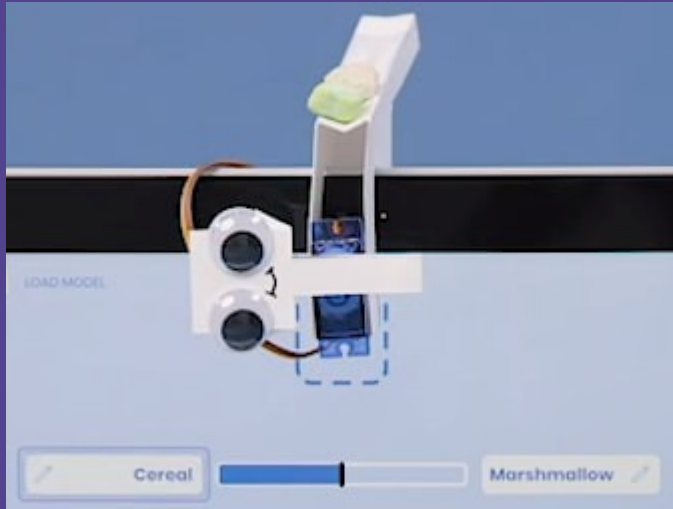
- Image Model
- Audio Model
- Pose Model
- PoseNet
- Simple games

## Hardware

- Micro:bit Makecode
- Micro:bit More
- Servo
- LED
- Buzzer

# Today...

- Build a sorting device
- Example...



# Sorting Devices

- Good fit for AI Classifiers
- Combines Software (AI) and hardware (micro:bit)
- Relatively easy to build
- Many practical uses...

# Sorting Devices



# Challenge

- Work in groups of 2 or 3
- Plan and sketch a sorting device
- Decide...
  - What will it sort?
  - How many classes? Two or more?
  - How would you minimise errors in image recognition?
  - How would it separate the objects into different compartments?

# Materials Available

- Micro:bits and electronics
- Corrugated Plastic Boards
- Ice cream sticks
- Tape
- Glue
- Whatever-you-bring yourself



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