

Capacity Building Scheme for Secondary School Teachers

Make My Eyes: A.I. Object Recognition Programming STEM Education Project



Dec 13, 2023





For secondary school teachers

Capacity building for teachers to coordinate and teaching Service-Learning

Learning by doing:

Opportunities for teachers to supervise and lead service-learning project



For secondary school students

Learning the following basic concepts:

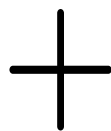
- Visual impairment
- Information/digital divide
- Artificial Intelligence (A.I.) and object recognition technology
- Machine-learning and basic programming



The Service Project



36 PolyU
students



22 F4 – F6
Secondary
School Students

Coaching



96 P4 – P6
Primary School
Students

To create an **A.I. object recognition system for the visually impaired** using beginner-friendly online platforms

Pre-service Activity

Dialogue in the Dark Experience



Late June



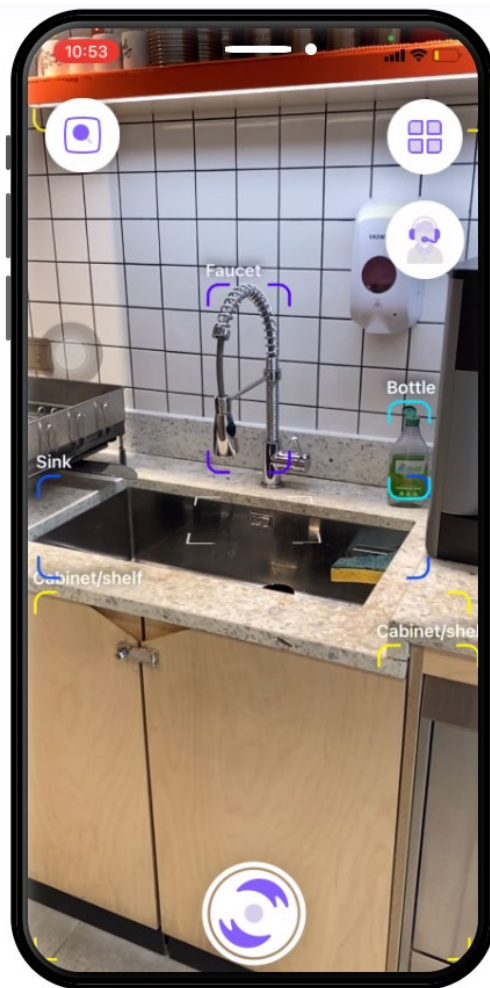
~ 3 hours

- Team-building with secondary school students
- Immersive experience on how visually-impaired people live



The Workshop

A.I. Object Recognition for the Visually Impaired



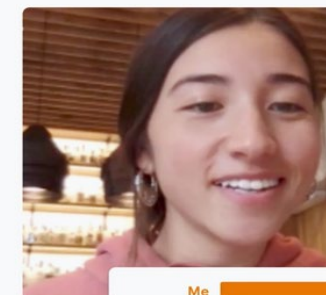
Teachable Machine

Train a computer to recognize your own images, sounds, & poses.

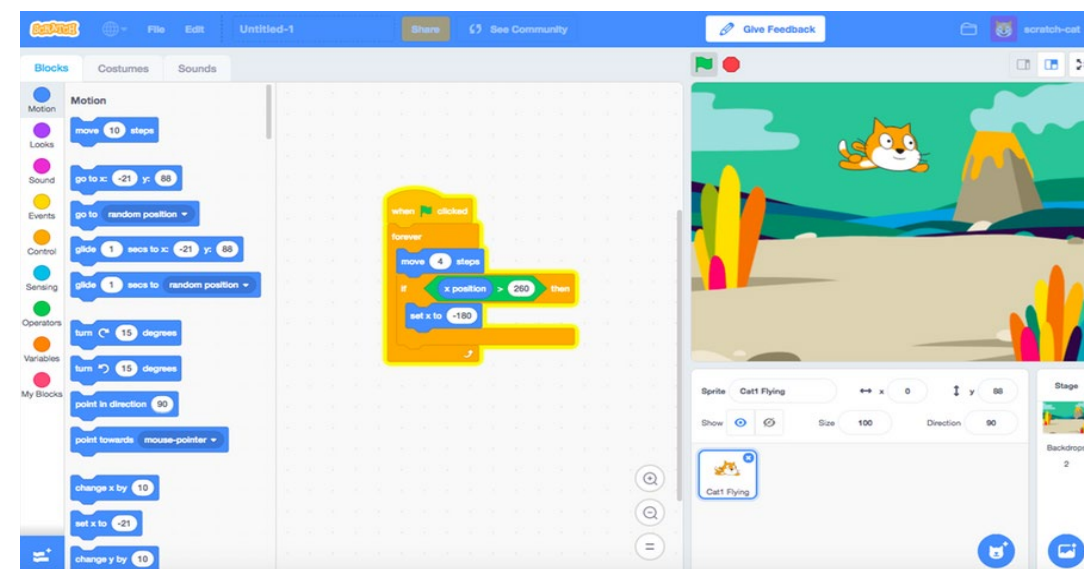
A fast, easy way to create machine learning models for your sites, apps, and more – no expertise or coding required.

Get Started

ml5 p5.js Coral node tensorflow.js



Me 100%
Me + Dog <3



Training workshops



AI and ML



Challenges of
visually impaired

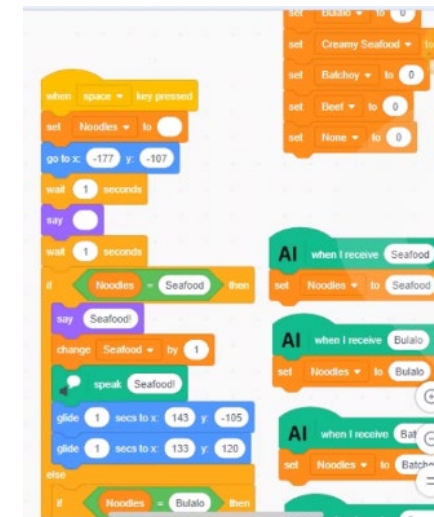
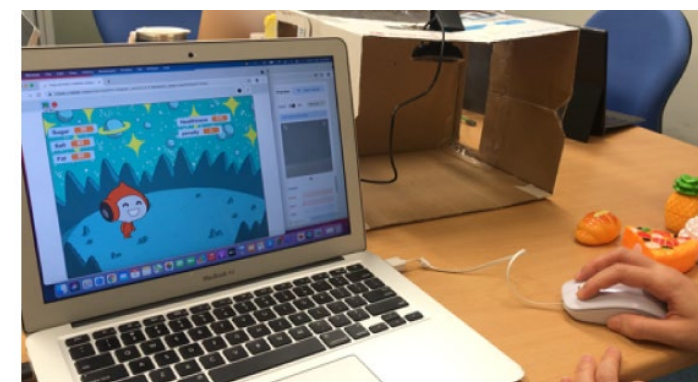


Coding:
Scratch



Object
Recognition

Concepts covered

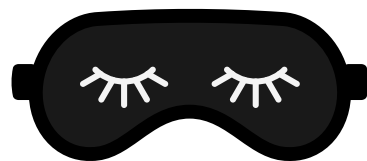


The Competition

A.I. Object Recognition



**Programme
with Voice
Interaction**



**Immersive experience of
blindness**



Join our Community of Practice to learn the latest update and available resources!

Enquiry:

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