UI Design Beyond Mouse + Keyboard

- Gesture, voice, and gaze interaction
- Computer vision for gestural interaction
- Teachable Machine & MediaPipe

- ...Course Perception Survey

NORTH
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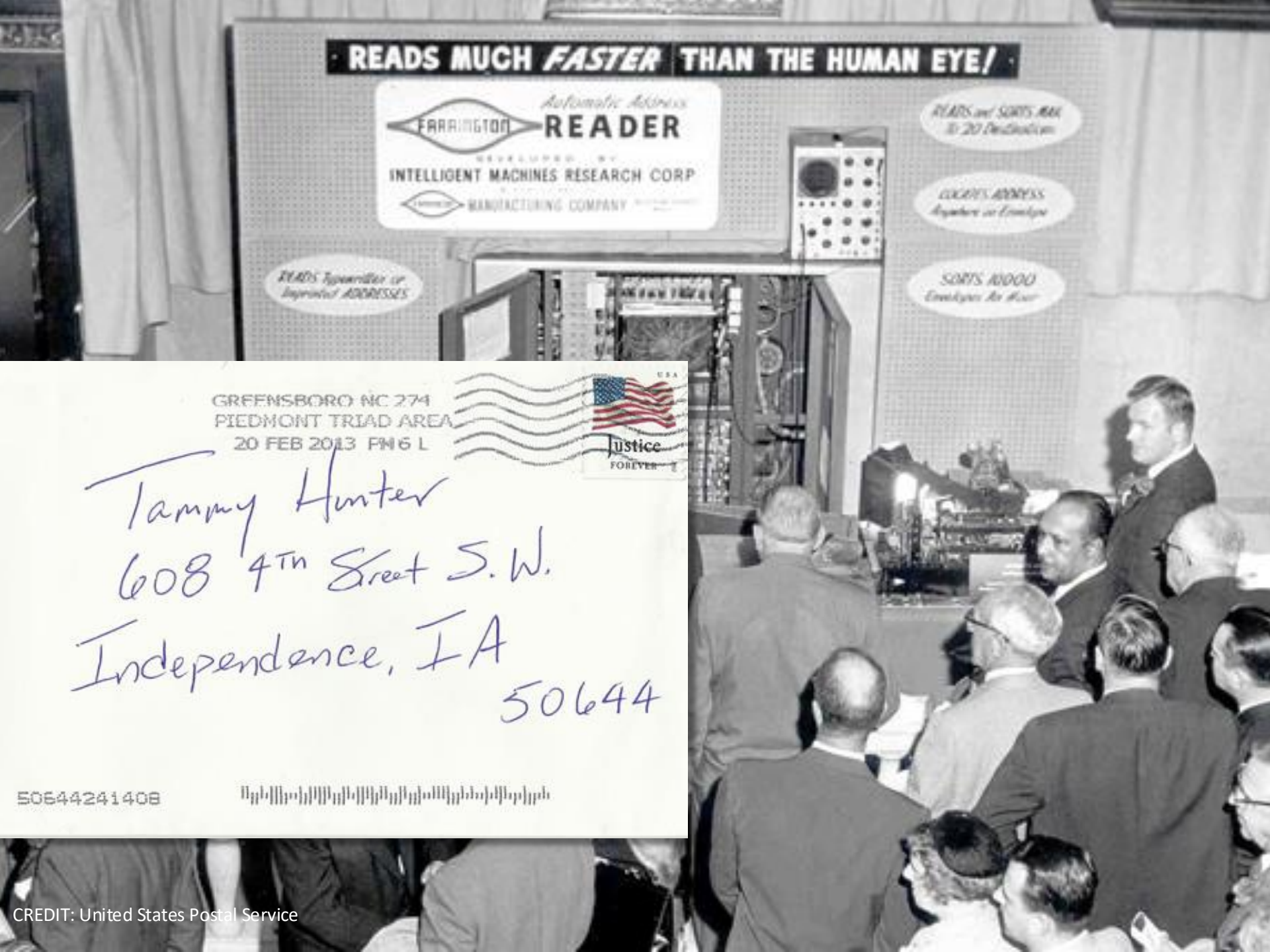
BAHAMAS
HAITI

Clip from "Introducing Apple Vision Pro" © Apple

Computer vision is a broad class of algorithms that allow computers to make intelligent assertions about digital images and video (Levin, 2006)



CREDIT: United States Postal Service

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reCAPTCHA

stop spam.
read books.

35302 7546

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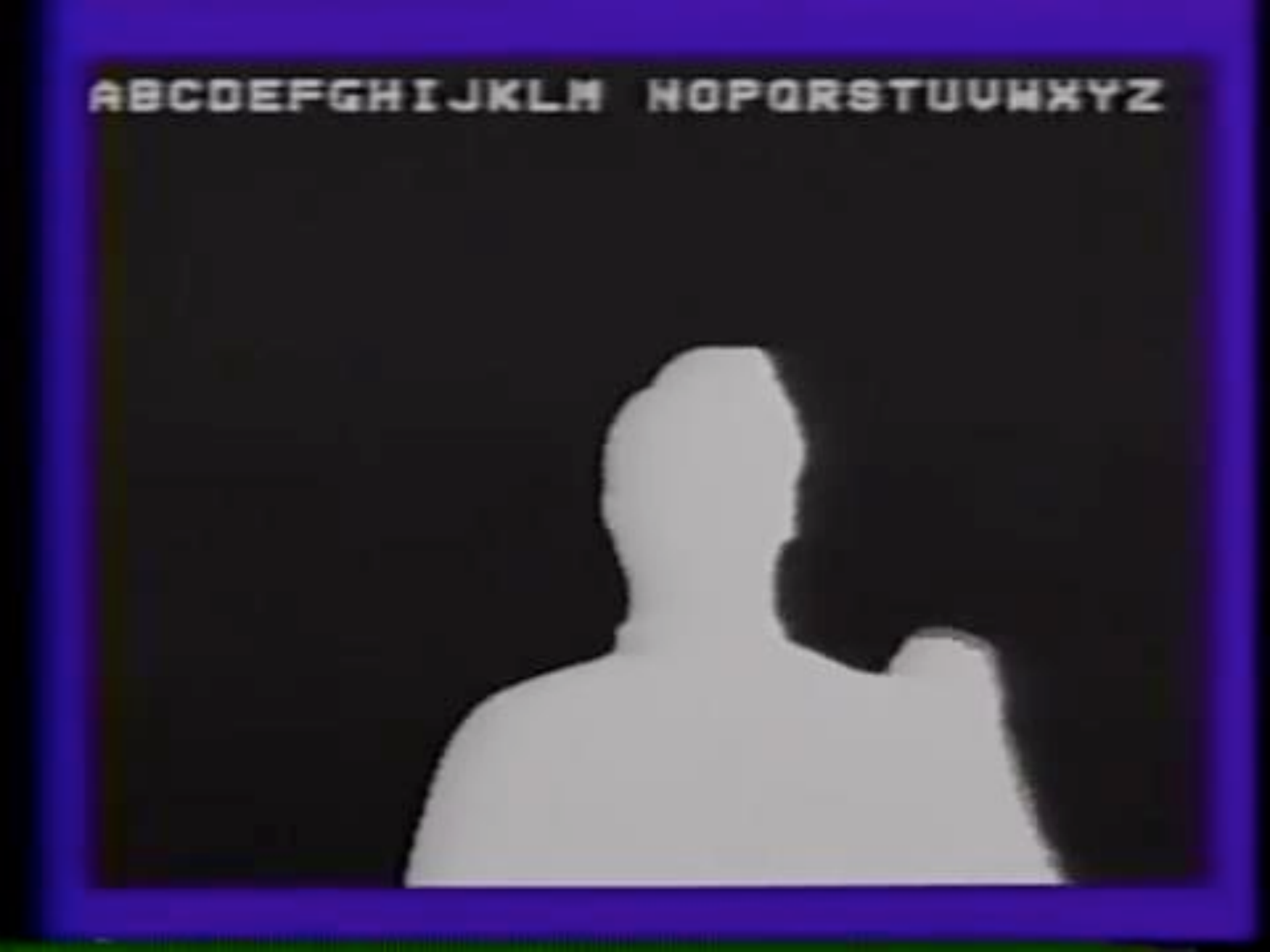
Computer Vision for Human Computer Interaction is when a computer is controlled using a video camera

Video Place
(Krueger, 1970s)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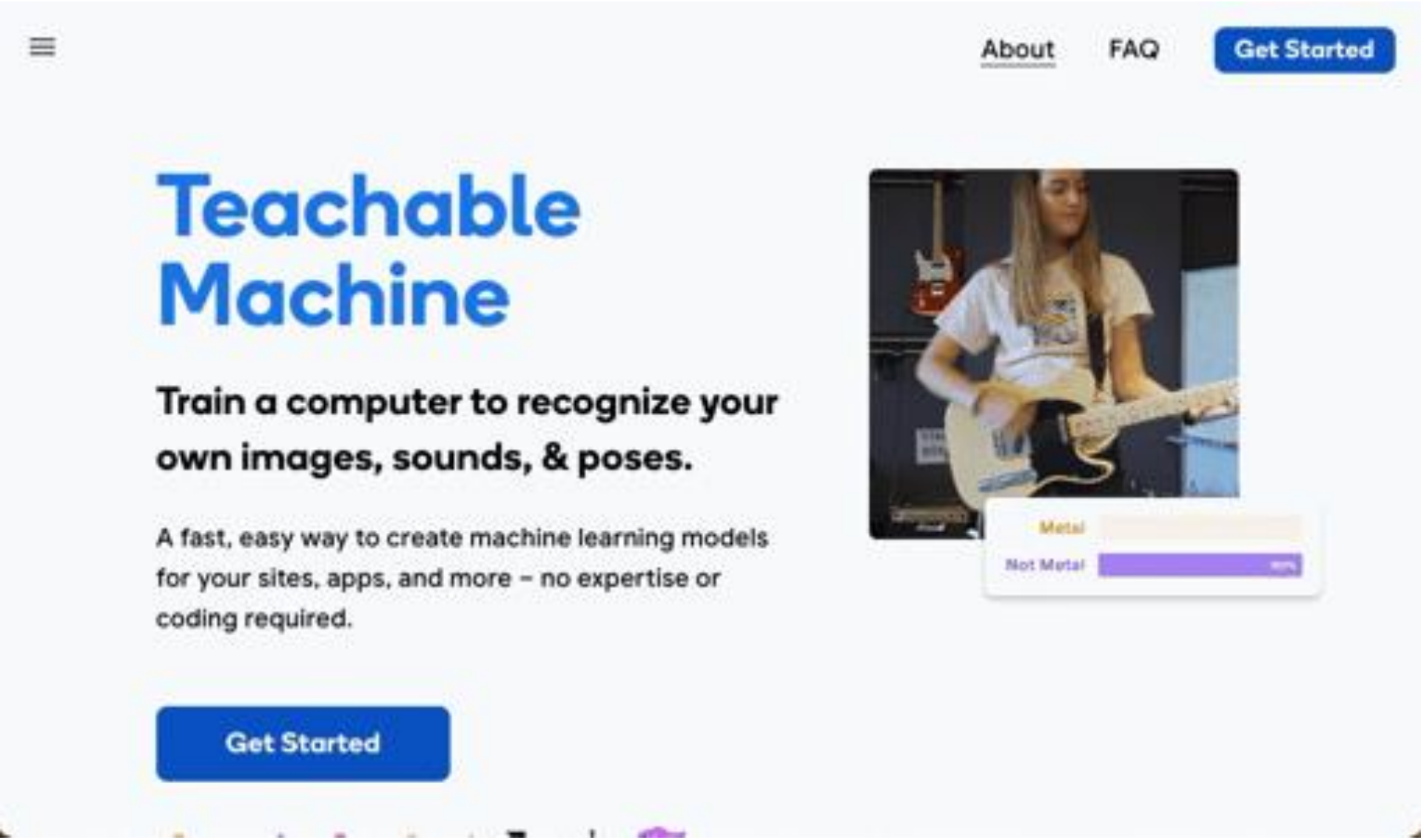

https://teachablemachine.withgoogle.com/

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MediaPipe Solutions guide

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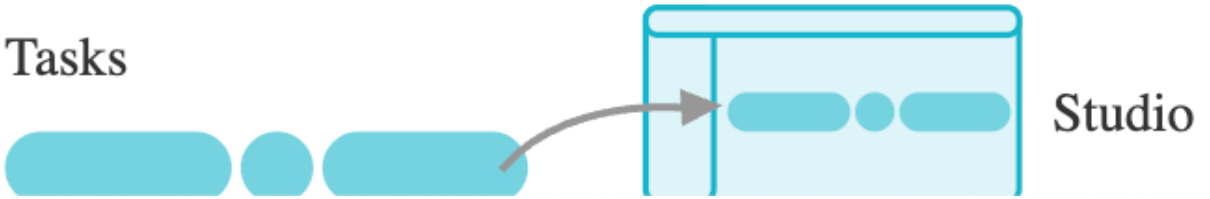
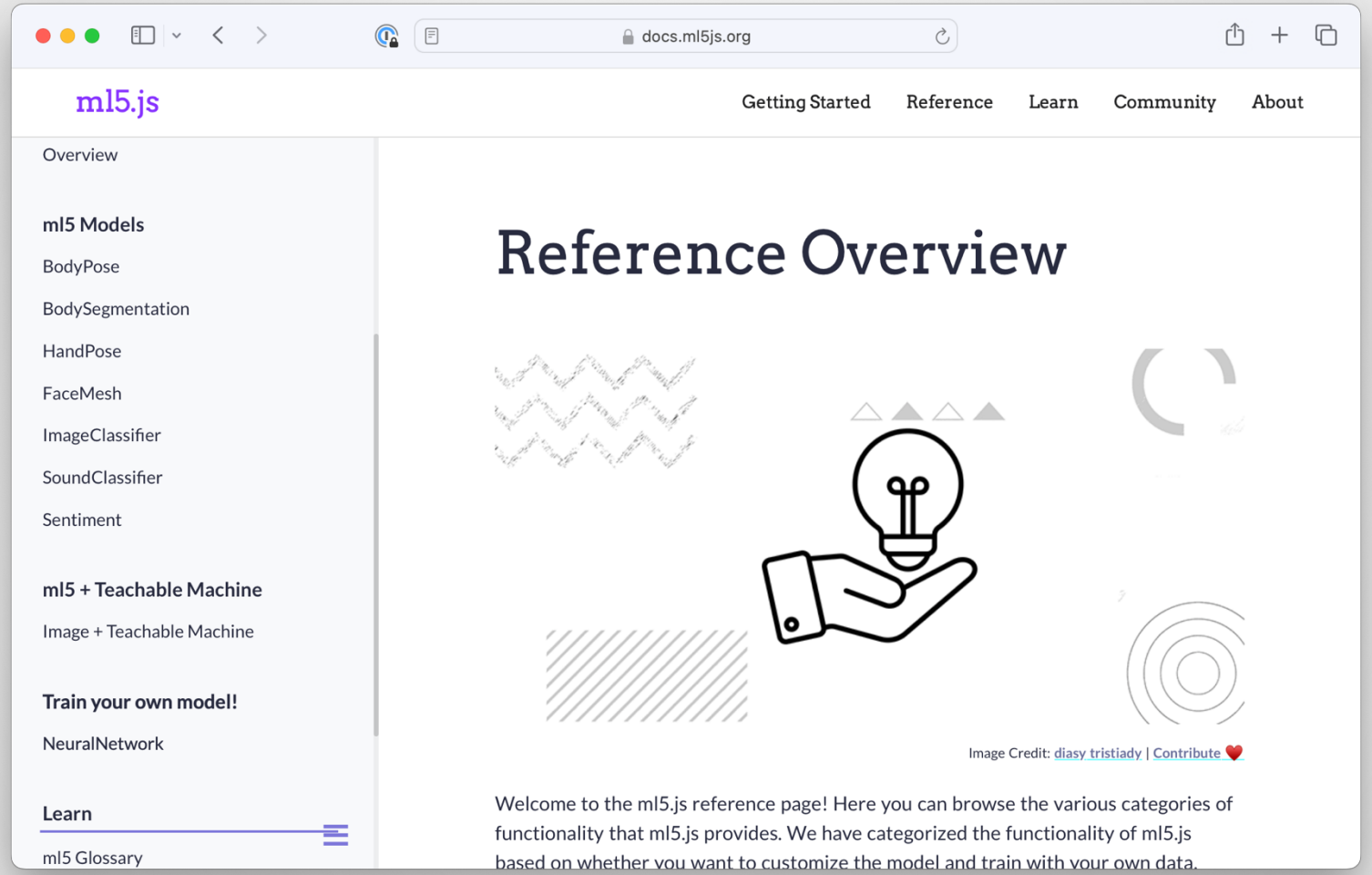
Available solutions
Get started
Legacy solutions

MediaPipe Solutions provides a suite of libraries and tools for you to quickly apply artificial intelligence (AI) and machine learning (ML) techniques in your applications. You can plug these solutions into your applications immediately, customize them to your needs, and use them across multiple development platforms. MediaPipe Solutions is part of the MediaPipe open source project, so you can further customize the solutions code to meet your application needs. The MediaPipe Solutions suite includes the following:



https://mediapipe.dev/



ml5.js - Friendly Machine Learning for the Web

- https://ml5js.org

do this right now or you'll forget!

🔥🔥🔥

Complete the course perception survey for CS 349:
https://perceptions.uwaterloo.ca/

This is where you provide feedback on:

- the course structure and content
- the instructor

To provide feedback on CS349 TAs:
https://www.student.cs.uwaterloo.ca/~cs349/IA_TA_feedback/

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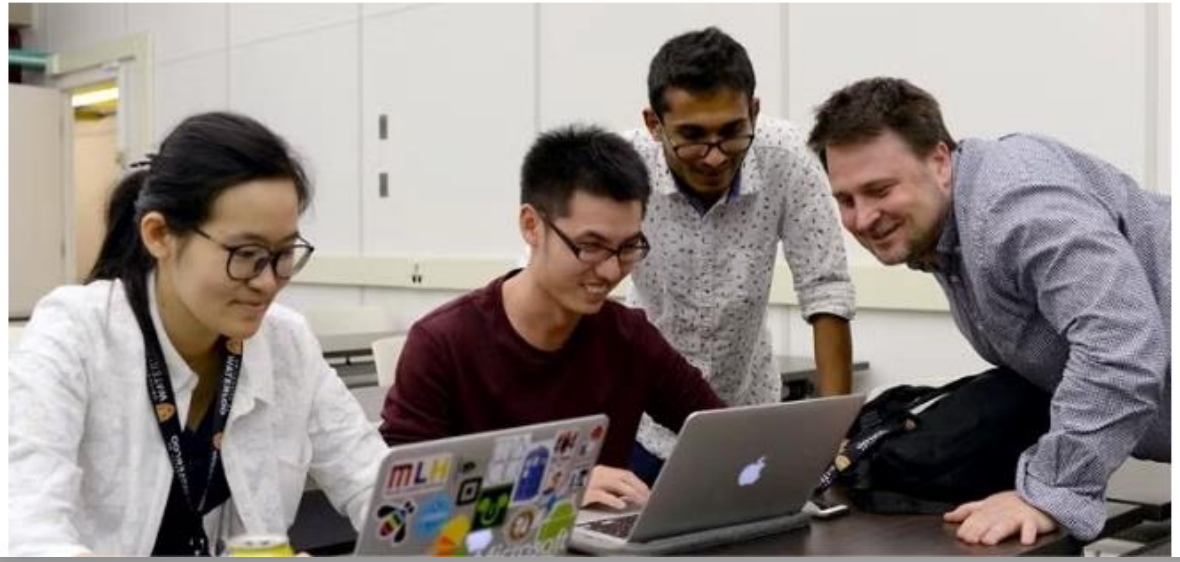
Undergraduate Research Assistantship (URA) program



Quick links

- Compensation
- Eligibility
- How to apply
- URA supervisor list
- URA research project list

Questions?

Interested students with questions should first refer to the Undergraduate research FAQ for more information on eligibility, finding supervisors, and more

https://uwaterloo.ca/computer-science/current-undergraduate-students/research-opportunities/ura