Cognimates

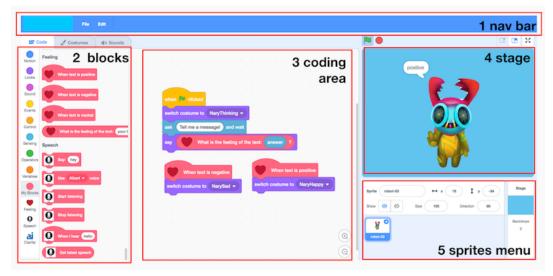
An AI education platform for building games, programming robots & training models

Web app GitHub

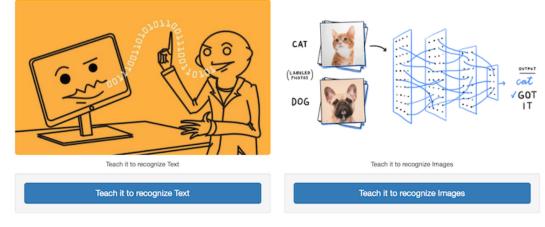
<u>Cognimates</u> is an AI education platform for building games, programming robots & training AI models. I created this platform as part of my <u>master thesis</u> at MIT Media Lab in 2018. The platform is currently being used in more than 120 countries and has over 5000 unique visitors per month. All of the code developed for this platform is open-source.

The Cognimates platform is composed of four main components:

1.Codelab

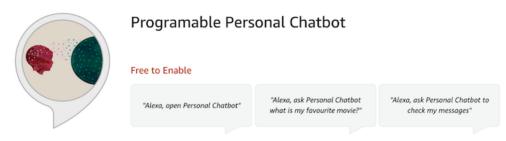


• 2. TeachAl Page



• 3. Alexa Custom Skill

Alexa Skills > Education & Reference



• 4. Extensions Library.

Q, what are you looking for?	Extension Library			
Coglimate Your coding learning companion	Jibe Control Jibo robot	Resch Alexa new skills	Smart Lights Control your home Hue Lights	Corres Coarro robot
Entiment Analysis	Ergo/r Robet Control Ergo/r robot	S S S S S S S S Image classification Detect images from your camera	Circuit Playeround Charge board LEDS and sounds	Microbit Detect gestures and program display
Music Piay instruments and drums.	Tracking Color tracking.	Pen Draw with your sprites.	Ego Wedo Program with lego wedo.	ter ter ter ter ter ter ter ter

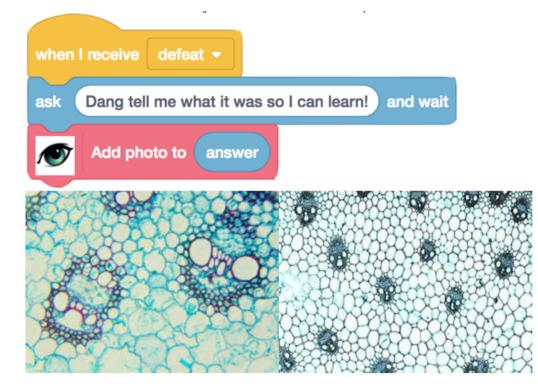
Image prediction project

In this project children can guess if a drawing will be classified as an unicorn or narwhal based on a custom image classification model they trained using their own examples of images.

when R clicked	Narwhal Confidence 0 Unicorn Confidence 0.000001
Choose image model: Unicorns vs Narwhals	1
Take photo from webcam	2.3
Search prediction for your photo	2 ar
set Narwhal Confidence - to / How sure are you the photo is a narwhal ?	unicom
set Unicorn Confidence - to 💉 How sure are you the photo is a unicorn ?	
say 🕖 What do you see in the photo?	F

Microscope project

In this project children can interactively train a model to recognize new microscope images and assign new labels to them.



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