

# LOS TIEMPOS MODERNOS PARA LA IA

BY RODOLFO FERRO





# ¡QUÉ ONDA!

Soy Rodo Ferro

Computer-mathemagician  $f[\text{💻}]$

Co-founder @ Future Lab



@FerroRodolfo



@rodo\_ferro

# 999 EXP.



Human-Centered  
Computing Lab



UNIVERSIDAD DE  
GUANAJUATO



Clubes de Ciencia  
México



# • PLANETA • RODO.



# CONTENIDO

- ★ Contexto mundial
- ★ Sobre *Inteligencia Artificial...*
- ★ *Reseach + Fun! → APLICACIÓN*

Finalmente, ¿cómo puedo desarrollarme en éste, mi camino ninja para convertirme en el Hokage de la ciencia?

- *SPOILER: Quédate al taller.*

# CONTEXTO

🔬 ¿Por qué hacer ciencia? 🕴️

# ¿QUÉ SUCEDA EN EL MUNDO?



# INTELIGENCIA ARTIFICIAL

🧠 No es el mañana, es el HÓY.





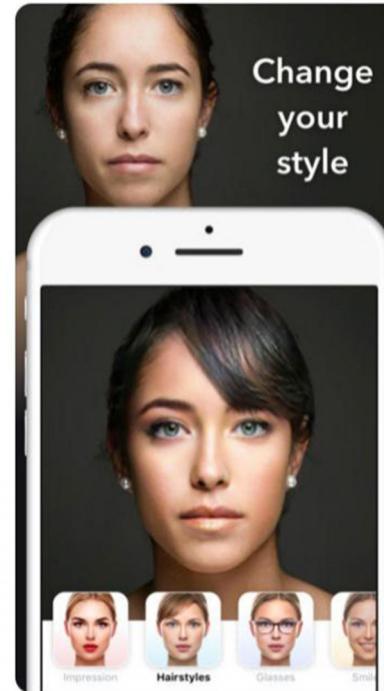
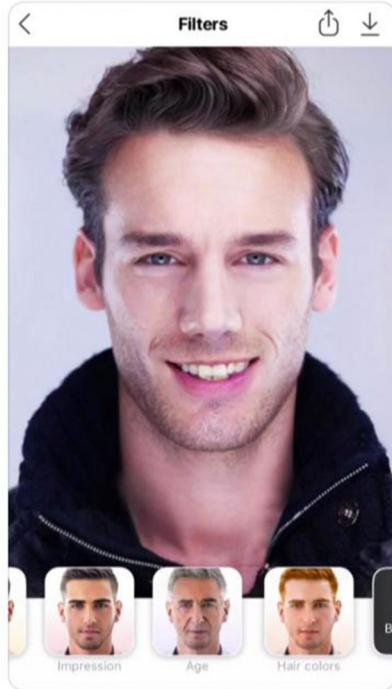
# FaceApp - AI Face Editor

Fotografía y video

★★★★★ 66.2k

OBTENER

Compras dentro de  
la app





DL

ML

AI

A diagram illustrating three types of machine learning against a dark blue background with white stars. Three large circles, each with a dashed outer boundary, represent the concepts. A thin white line connects the top-left circle to the bottom center circle, and another thin white line connects the bottom center circle to the top-right circle. An astronaut in a white spacesuit is floating near the bottom right circle.

supervised  
learning

reinforcement  
learning

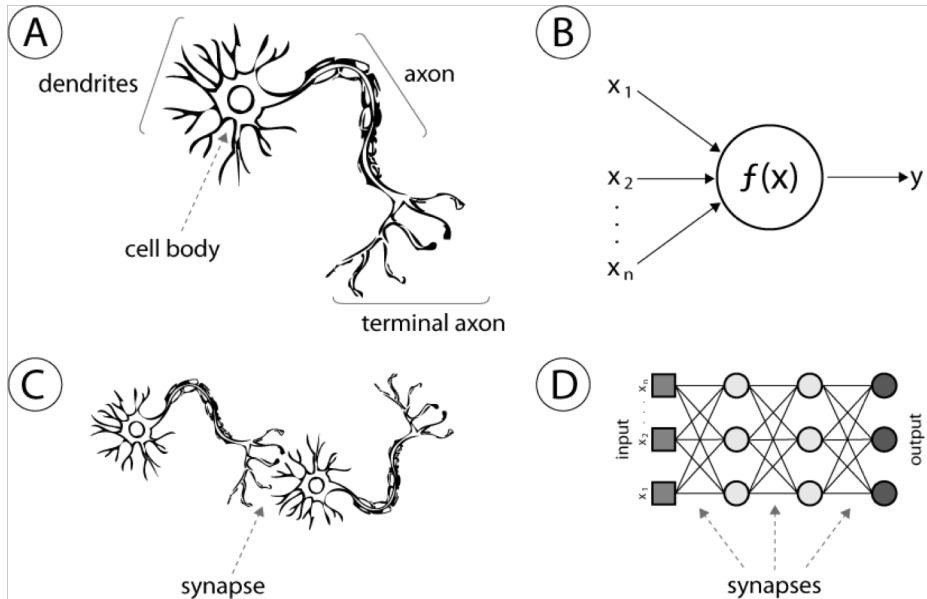
unsupervised  
learning

“

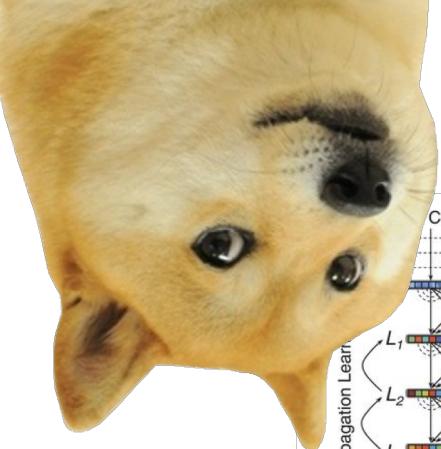
Modelo bio-inspirado por el  
funcionamiento del cerebro.

Utiliza **neuronas artificiales**.

¿Y SI SIMULAMOS EL FUNCIONAMIENTO  
DE UNA NEURONA?

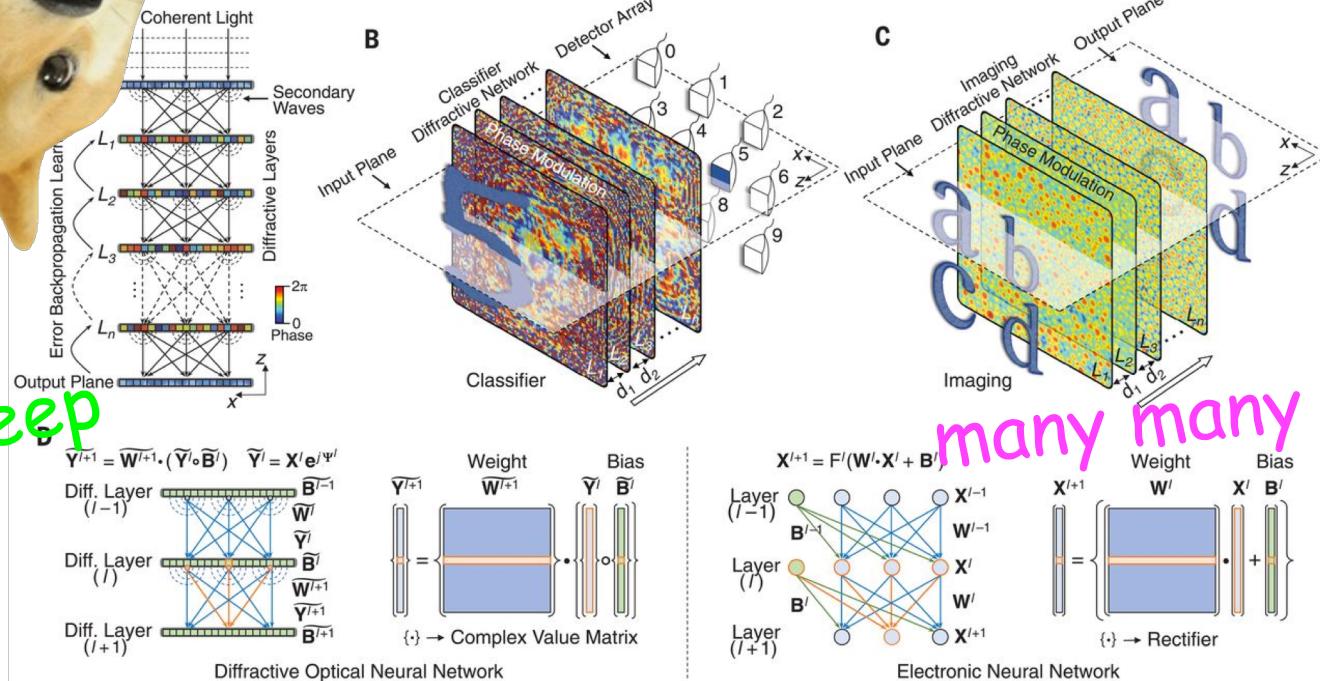


Modelo bio-inspirado por  
el funcionamiento del cerebro.  
Utiliza **neuronas artificiales**.



such network

wow



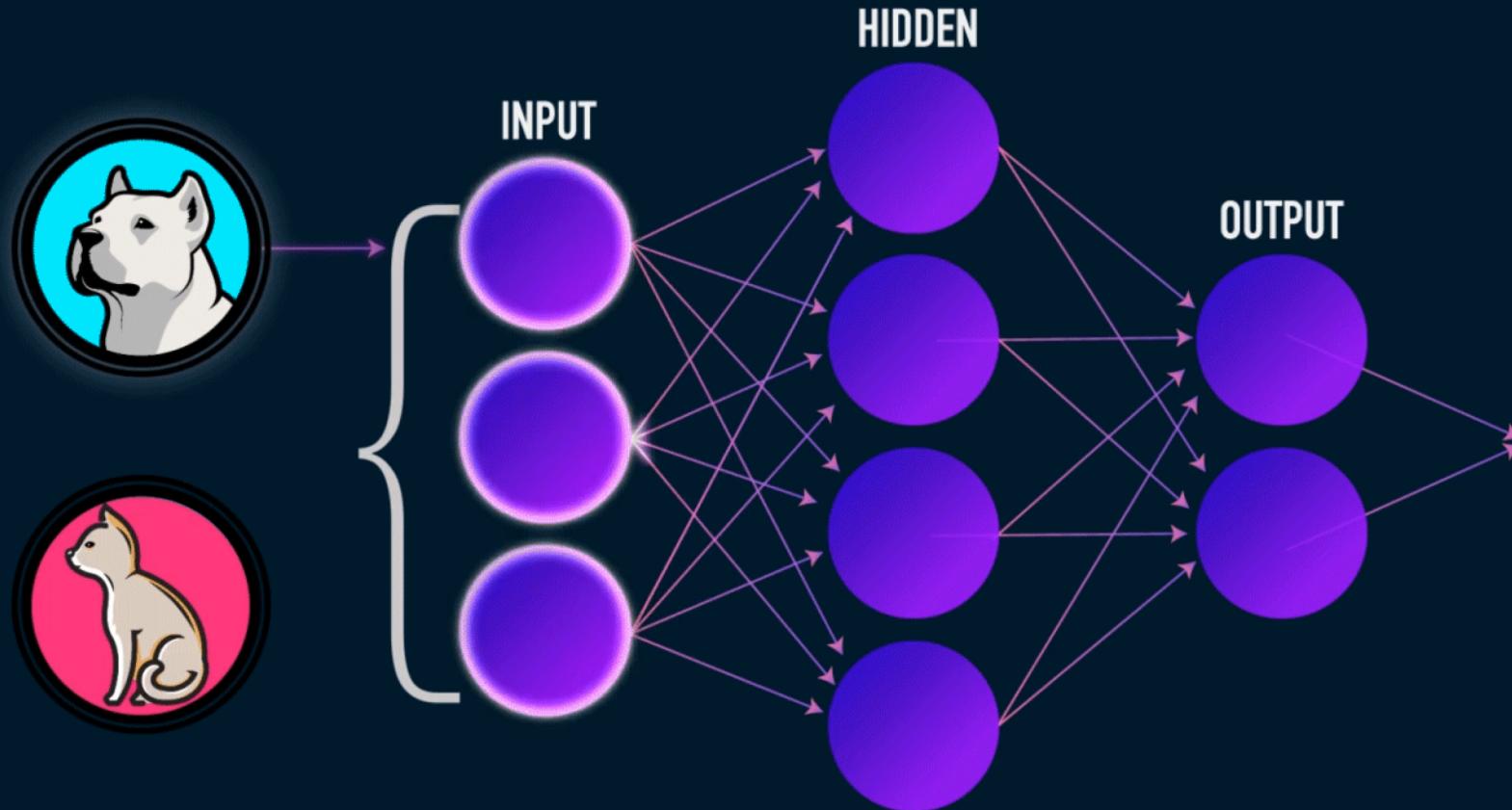
very deep

many many layers

too ai

such math

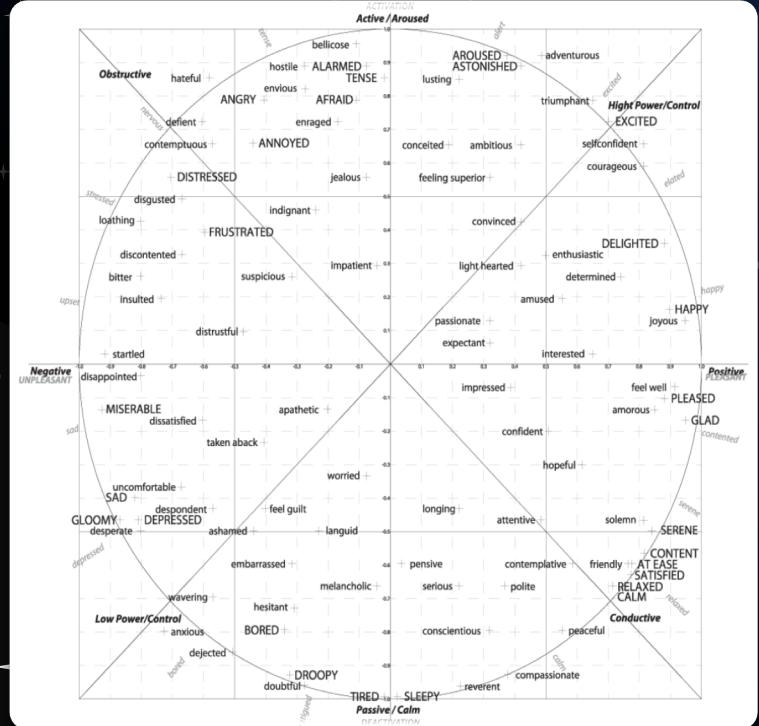




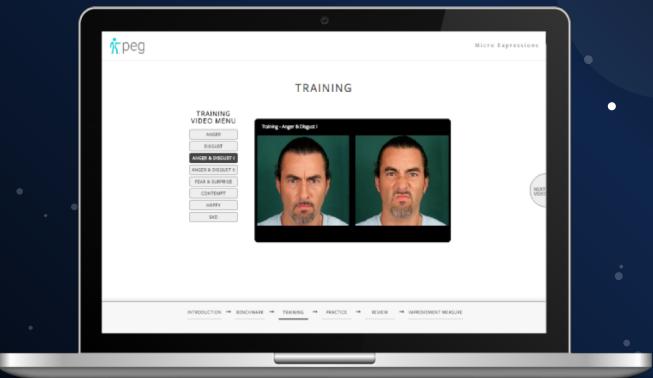
# APRENDIZAJE PERSONAL

La salsa de los tacos. 🌮🌮🌮



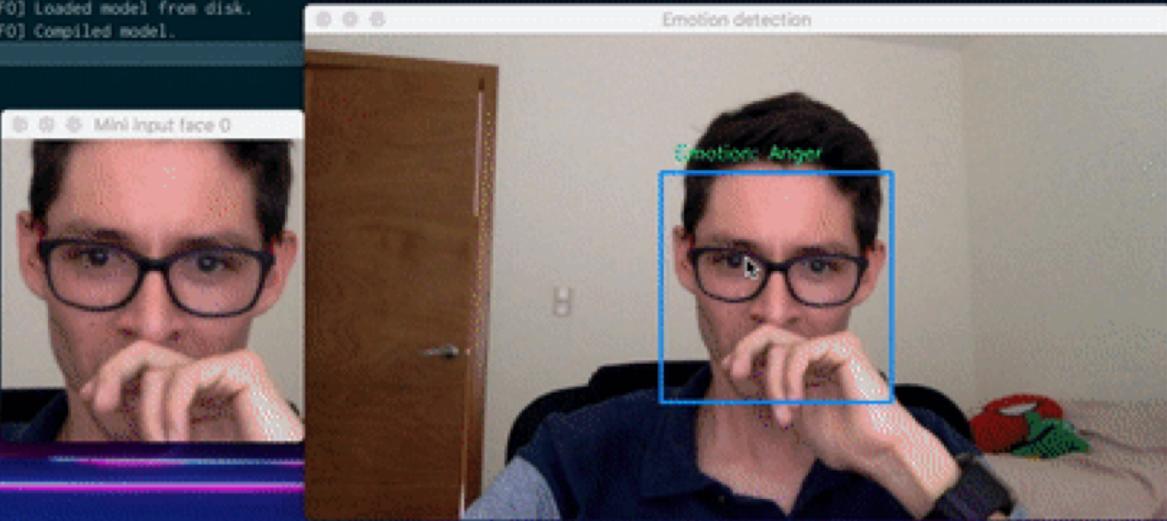


Fuente: "Seeing Stars of Valence and Arousal in Blog Posts". Georgios Paltoglou & Michael Thelwall, 2013.



Fuente: <https://www.paulekman.com/>

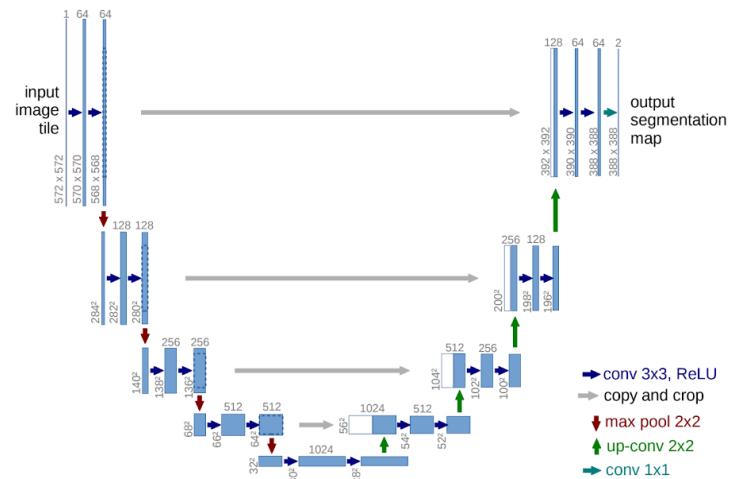
# EMOCIONES



CIMAT



Human-Centered  
Computing Lab



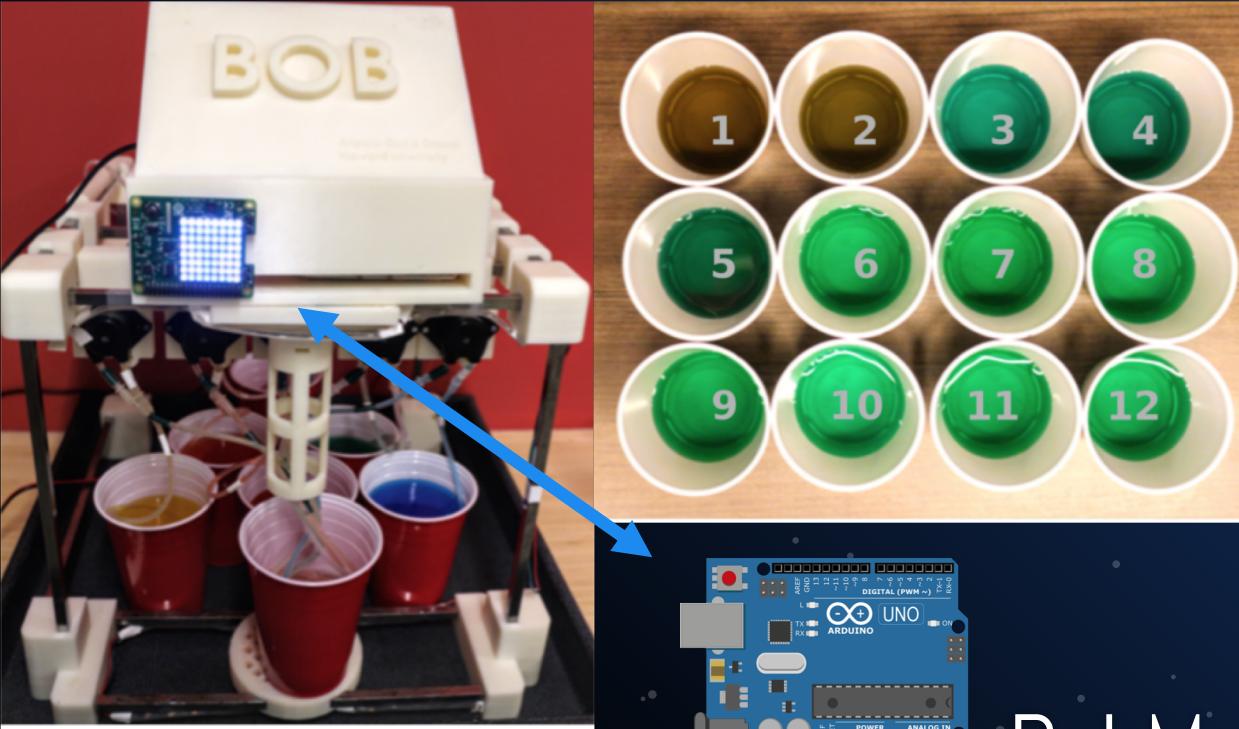
mdena

PREVENCIÓN DE  
INCENDIOS 🔥  
FORESTALES 🌲



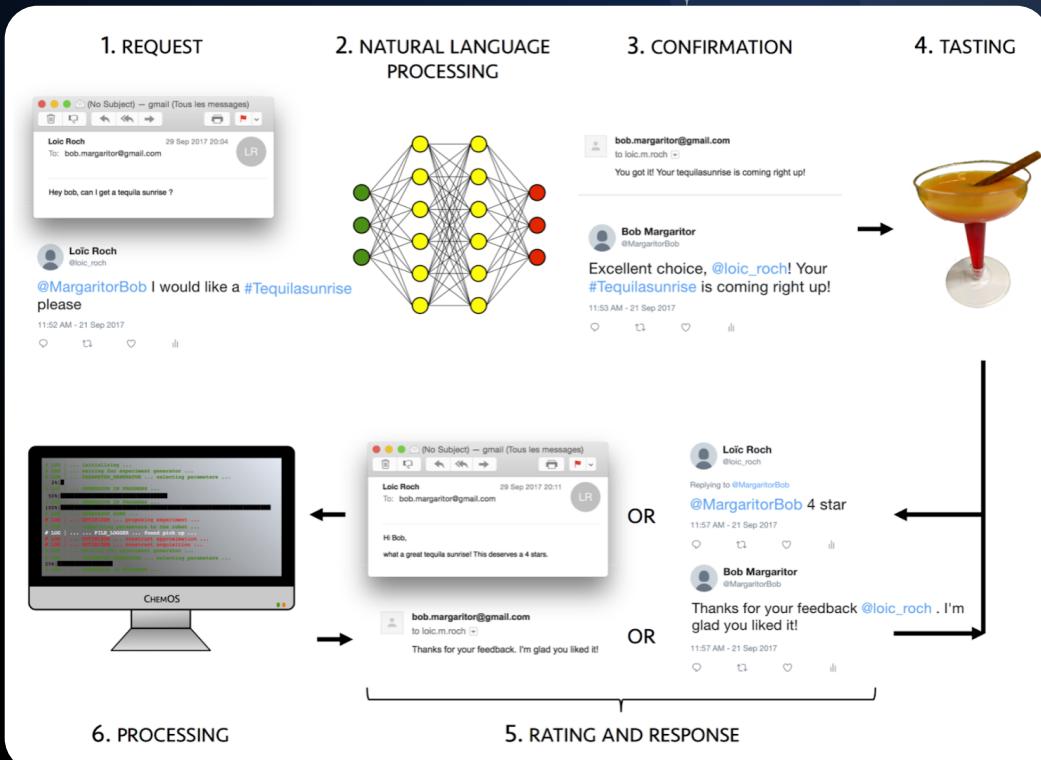
JOHN HARVARD

1650

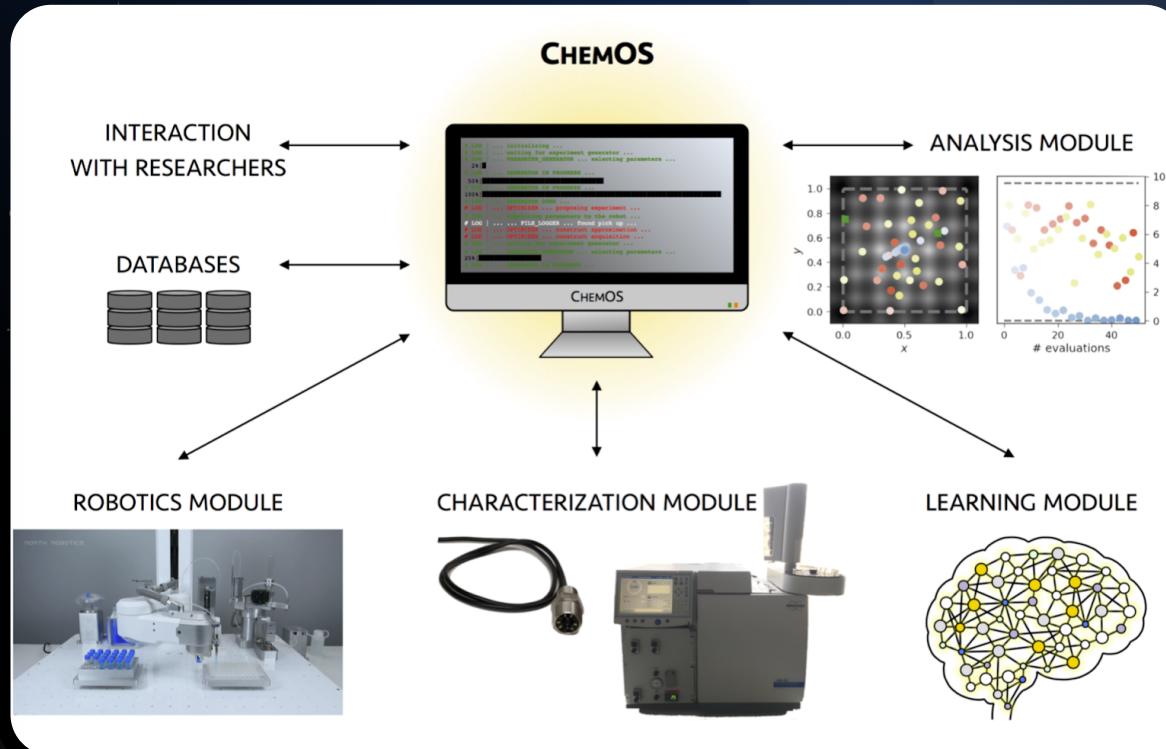


# BobMargaritor

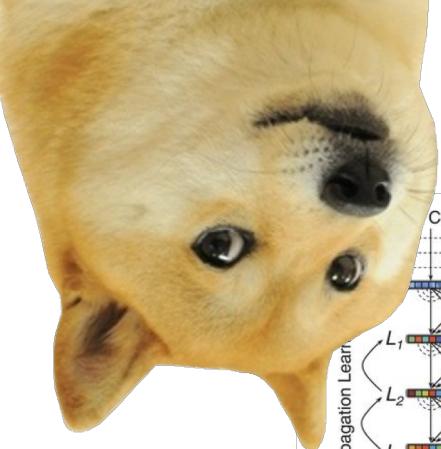
ChemOS: An Orchestration Software to Democratize Autonomous Discovery, Loïc M. Roch, Florian Häse,  
Christoph Kreisbeck, Teresa Tamayo-Mendoza, Lars P. E. Yunker, Jason E. Hein, and Alan Aspuru-Guzik



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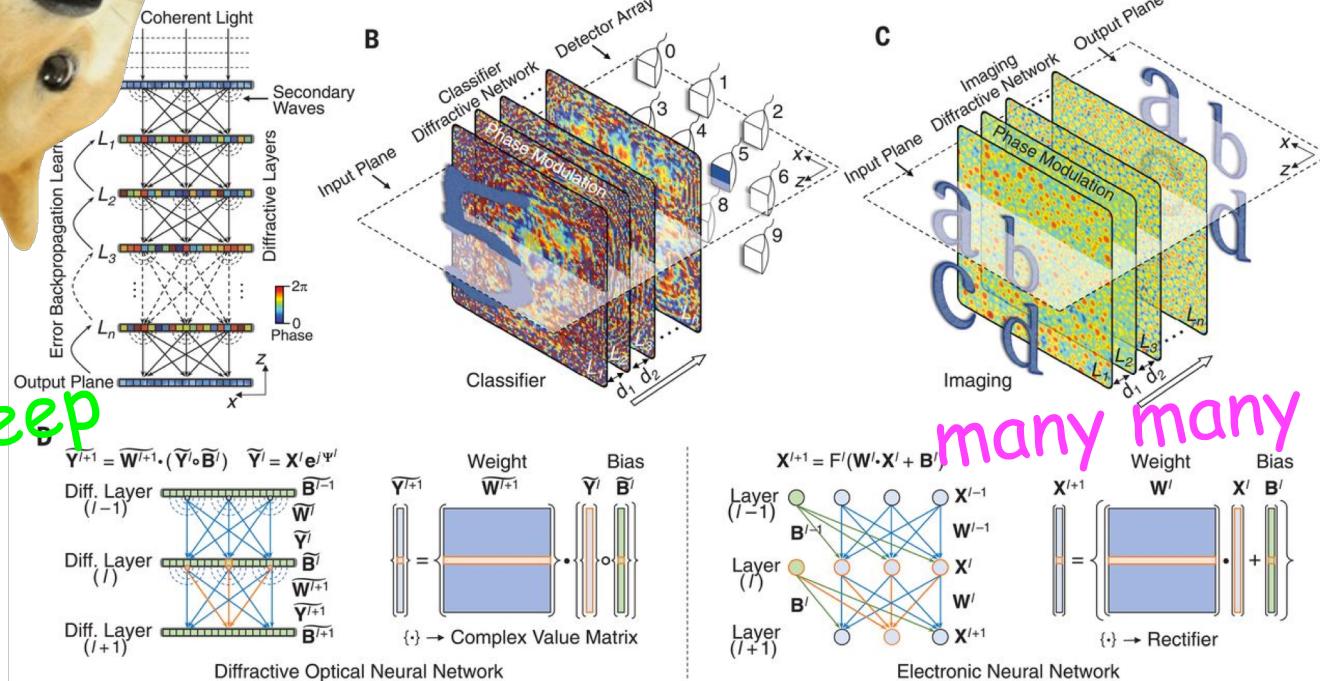


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such network

wow



too ai

such math





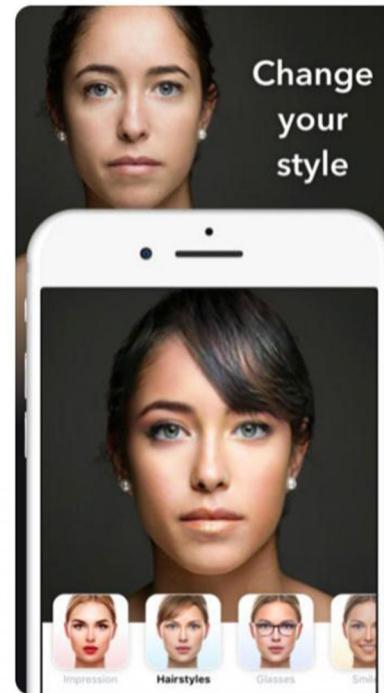
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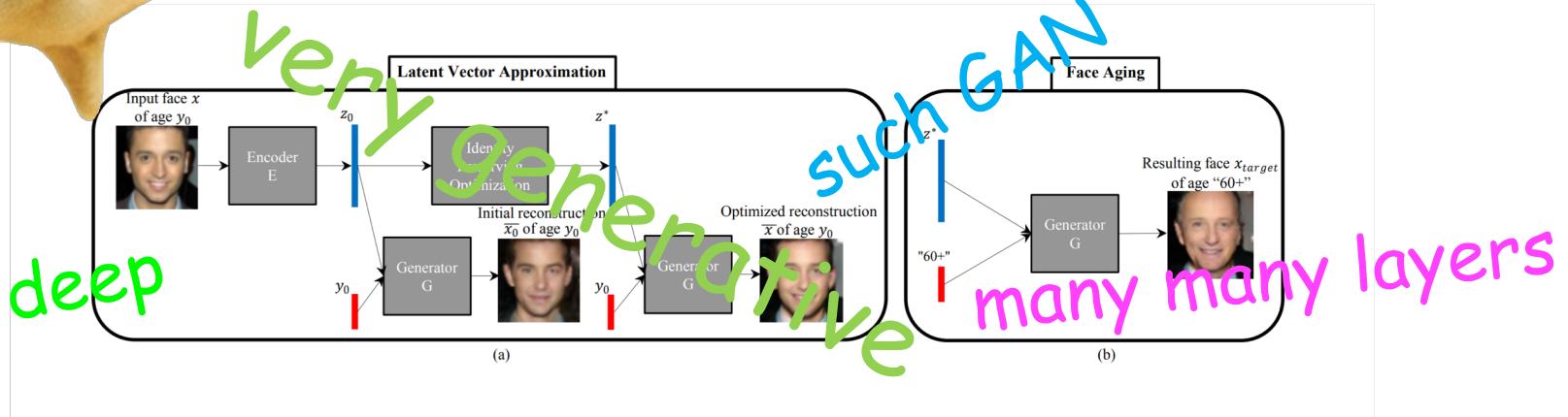
Compras dentro de  
la app





such network

wow



too ai

such math

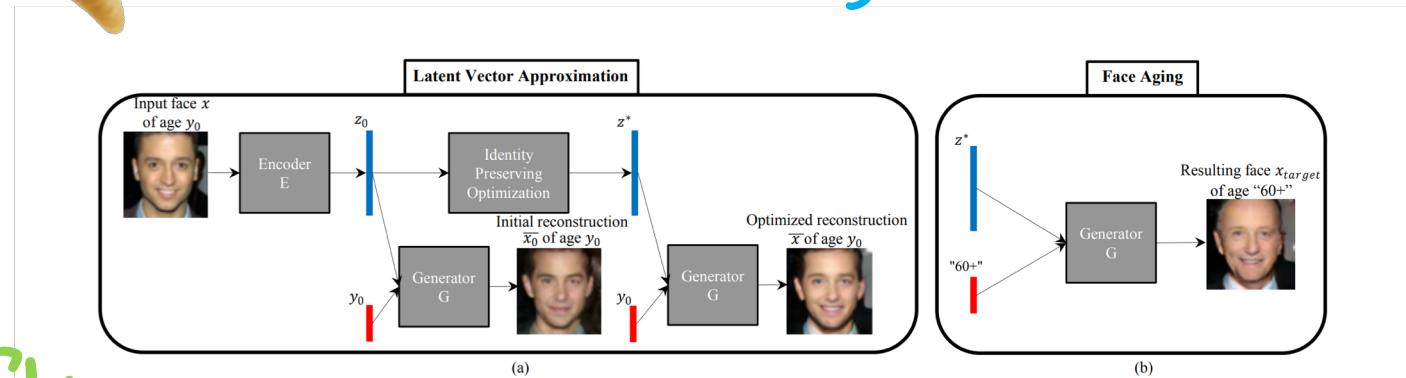




such network

such GAN

wow



very generative  
very deep too ai

many many layers  
such math



# COLABORATIVO & MULTIDISCIPLINARIO

No se restringe a sólo una ciencia o persona

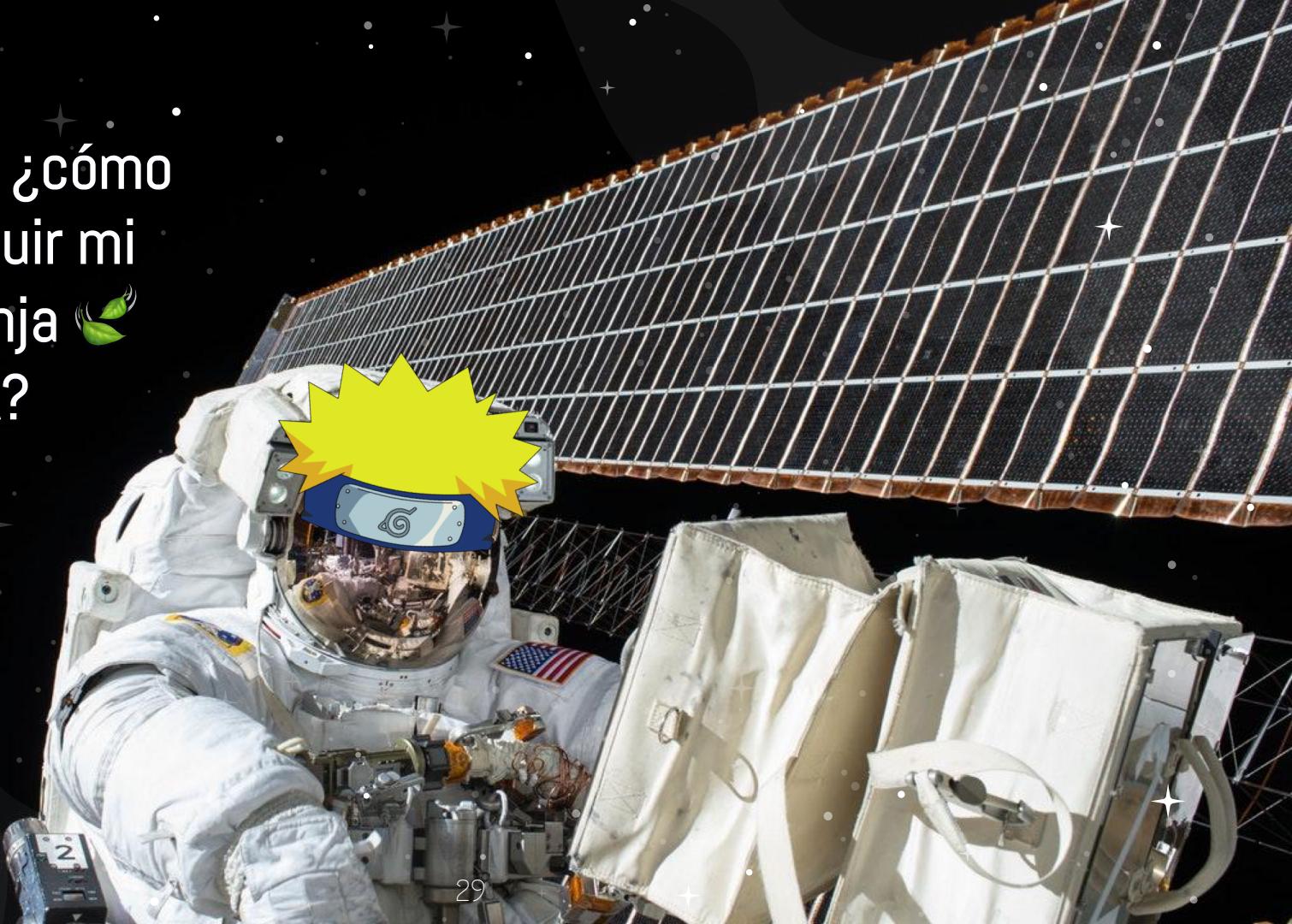
# ESCALABLE

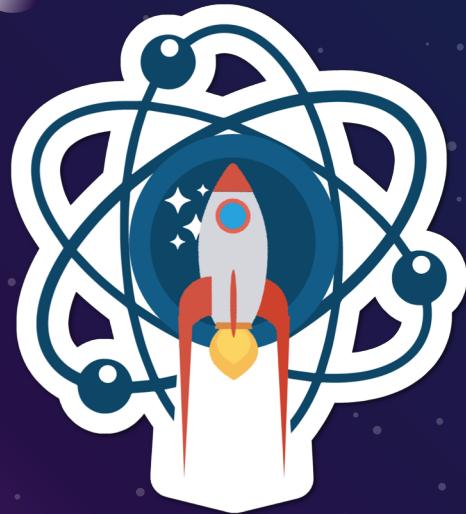
Puede partir de ideas "de juguete"

# DIVERTIDO Y CREATIVO

Ganar aprendizaje que se queda más tiempo

Finalmente, ¿cómo  
puedo seguir mi  
camino ninja 🍃  
hacia la IA?





**FUTURE  
LAB**

<https://futurelab.mx>



# ¡GRACIAS!

¿PREGUNTAS?

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