

KREATIVITÄT TRIFFT KI

Lernen mit Künstlicher Intelligenz

Christian Vorhemus Consultant / Microsoft







Search Faces...













P.S. We don't keep the photo



The magic behind How-Old.net

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DEEP LEARNING TRAINING & SCORING

Prediction phase

Age Classification Model





Training phase





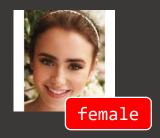




28

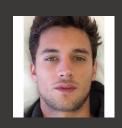
Gender Classification Model









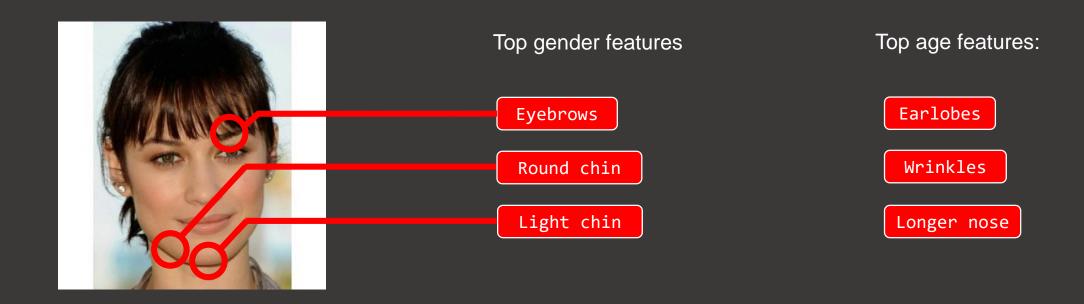






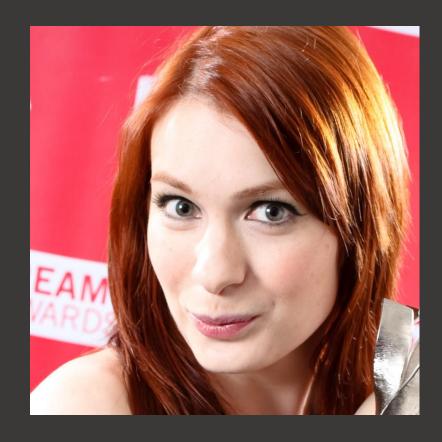


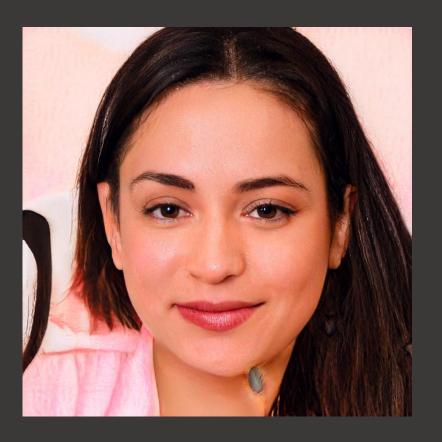
FACE ATTRIBUTES & FEATURES



Microsoft

WHICH FACE IS REAL?





http://www.whichfaceisreal.com/

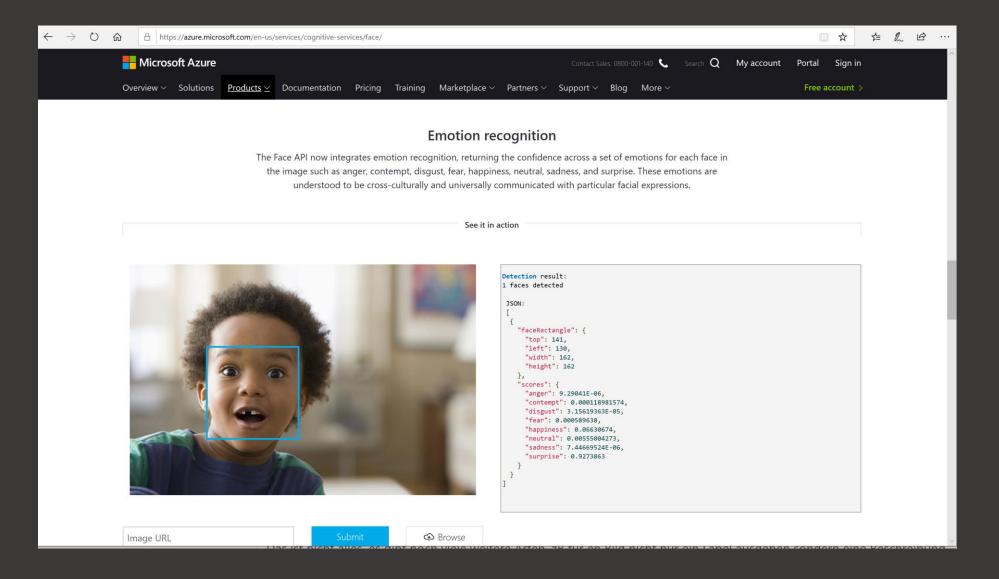
GENERATIVE ADVERSARIAL NETWORKS



Computer Vision



MICROSOFT COGNITIVE SERVICES

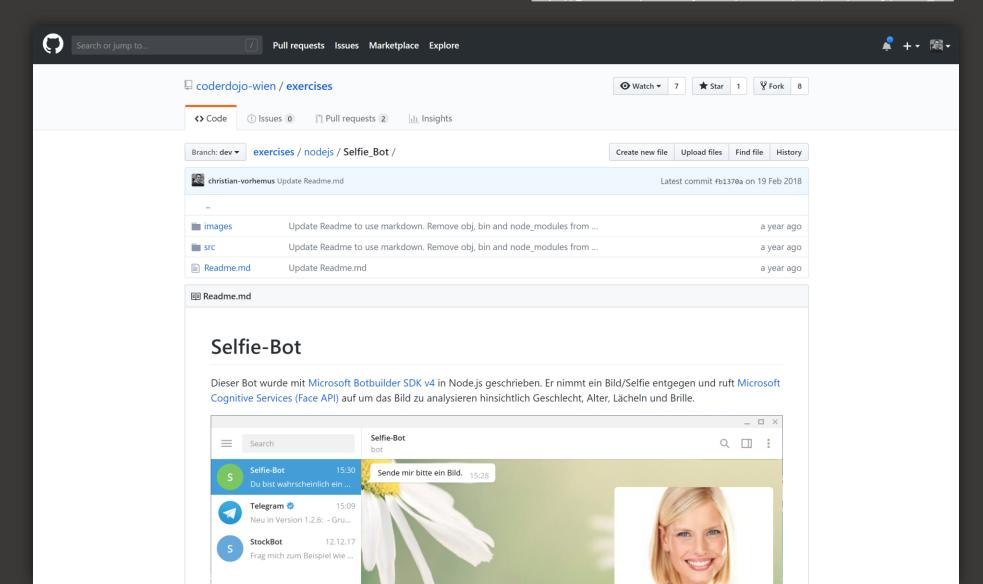






SELFIE BOT

https://github.com/coderdojo-wien/exercises/tree/dev/nodejs/Selfie Bot



Classify chain letters



KETTENBRIEFE BOT

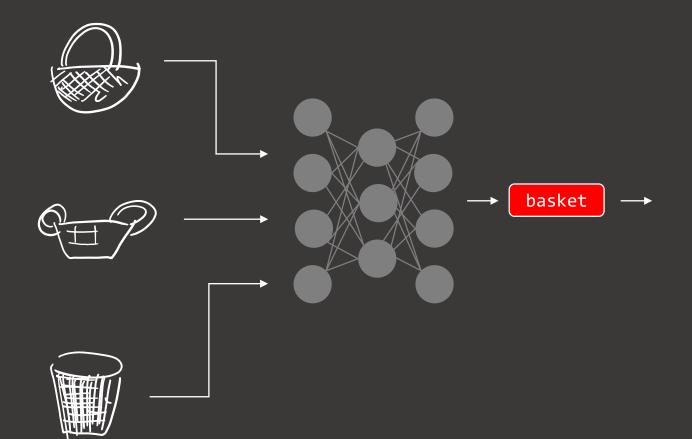
Hallo ich bin Momo und bin vor 3 Jahren verstorben ich wurde von einem Auto angefahren und wenn du nicht möchtest das ich heute Abend um 00:00 Uhr in deinem Zimmer stehe und dir beim schlafen zuschaue dann sende diese Nachricht an 15 Kontakte weiter

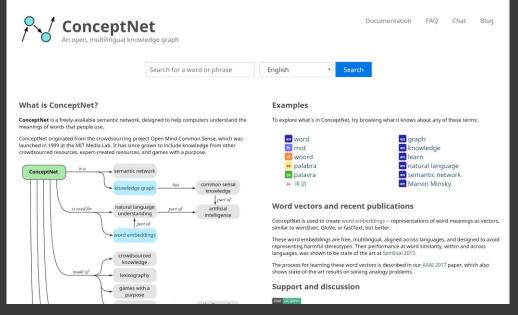
warnung! die killerclowns werden eine nacht vor halloween herum gehen schicke es sofort weiter es ist sehr wichtig! haltet eure fenster und türen veriegelt und haustiere im haus!!!!!!!! Heee bist du ein mensch haha

Can you write stories together with a computer?

Microsoft

DREAM DRAW





WIKIANSWERS



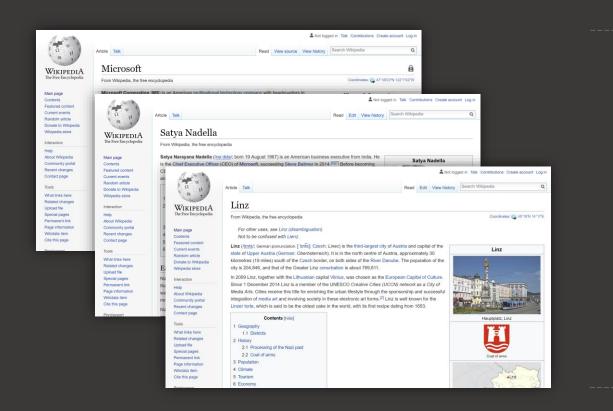
Wiki Answers provides targeted answers to questions about anything. Type in a question and click on "Ask".

Who is Satya Nadella?

ASK

Microsoft

WIKIANSWERS



INVERSE INDEX

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\begin{aligned}
\begin{aligned}
microsoft & \{1:5\} & \dots & \{24:1\} \\
satya & \{1:3\} & \dots & \{93:2\} \\
\dots & \dots & \dots & \dots & \dots \\
linz & \{2372:9\} & \dots & \{2373:1\} \end{aligned}
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WIKIANSWERS

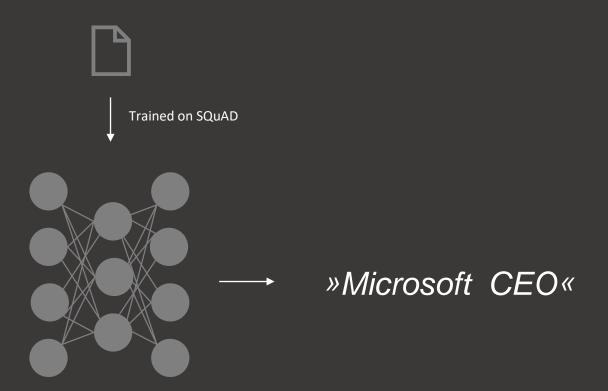
»Who is Satya Nadella?«



--- Microsoft

WIKIANSWERS





The Stanford Question Answering Dataset

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SQUAD EXAMPLE

The Normans (Norman: Nourmands; French: Normands; Latin: Normanni) were the people who in the 10th and 11th centuries gave their name to Normandy, a region in France. They were descended from Norse ("Norman" comes from "Norseman") raiders and pirates from Denmark, Iceland and Norway who, under their leader Rollo, agreed to swear fealty to King Charles III of West Francia. Through generations of assimilation and mixing with the native Frankish and Roman-Gaulish populations, their descendants would gradually merge with the Carolingian-based cultures of West Francia. The distinct cultural and ethnic identity of the Normans emerged initially in the first half of the 10th century, and it continued to evolve over the succeeding centuries.

Q: In what country is Normandy located?

A: France

The Stanford Question Answering Dataset

H Microsoft

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Q: In what country is Normandy located?

A: France A: A region in France



THANKYOU

- github.com/christian-vorhemus
- in linkedin.com/in/christian-vorhemus