

# JavaScript × AI

NodeSchool Rotterdam

**“The study and development of computer systems that can copy intelligent human behaviour”**

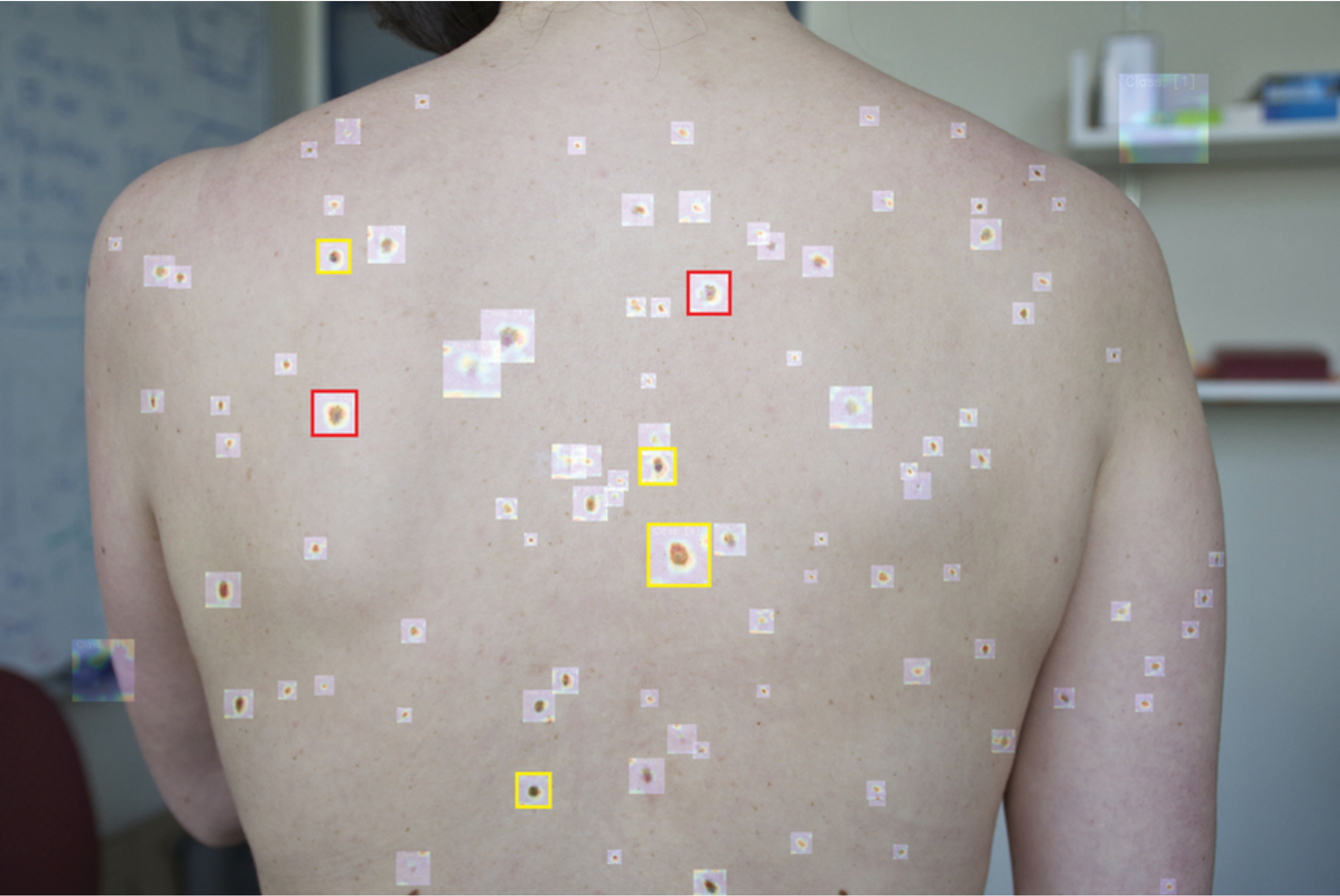


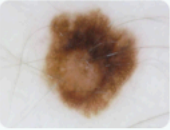
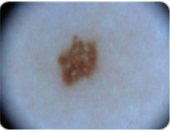
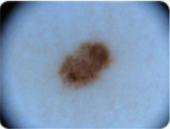
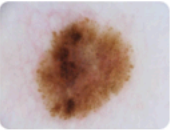

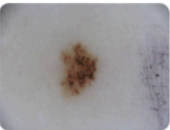
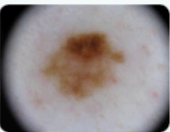



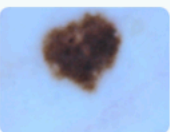
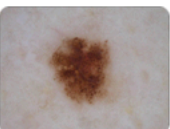


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machine learning

llms

generative ai

deep learning

natural language processing

gpt

artificial intelligence

**“A machine learning model is a file that has been trained to recognize certain types of patterns [...] Once you have trained the model, you can use it to reason over data that it hasn't seen before”**

**Microsoft**





**Hugging Face**

# Question answering

⚡

Question Answering demo

using [deepset/roberta-base-squad2](#)

📖 Question Answering

Examples ▾

What is the capital city of The Netherlands?

Compute

Context

The Netherlands (Dutch: Nederland [ˈneːdərlɑnt] ( listen)), informally Holland,[12] [13] is a country located in northwestern Europe with overseas territories in the Caribbean. It is the largest of four constituent countries of the Kingdom of the Netherlands.[14] The Netherlands consists of twelve provinces; it borders Germany to the east, and Belgium to the south, with a North Sea coastline to the north and west. It shares maritime borders with the United Kingdom, Germany and Belgium in the North Sea.[15] The country's official language is Dutch, with West Frisian as a secondary official language in the province of Friesland.[1] Dutch, English and Papiamentu are official in the Caribbean territories.[1]

The four largest cities in the Netherlands are Amsterdam, Rotterdam, The Hague and Utrecht.[16] Amsterdam is the country's most populous city and the nominal capital.[17] The Hague holds the seat of the States General, Cabinet and Supreme Court.[18] The Port of Rotterdam is the busiest seaport in Europe.[19] Schiphol is the busiest airport in the Netherlands, and the third busiest in Europe. The Netherlands is a founding member of the European Union, Eurozone, G10, NATO, OECD, and WTO, as well as a part of the Schengen Area and the trilateral Benelux Union. It hosts several intergovernmental organisations and international courts, many of which are centred in The Hague.[20]

Computation time on Intel Xeon 3rd Gen Scalable cpu: 0.269 s

Amsterdam

0.449

</> JSON Output

Maximize



# Text classification

## ⚡ Text Classification demo

using [distilbert-base-uncased-finetuned-sst-2-english](#)

🔗 Text Classification

Examples ▾

This was a masterpiece. Not completely faithful to the books, but enthralling from beginning to end. Might be my favorite of the three.

Compute

Computation time on Intel Xeon 3rd Gen Scalable cpu: 0.020 s


POSITIVE	0.999
NEGATIVE	0.001

</> JSON Output

🖥 Maximize

# Token classification

## ⚡ Hosted inference API ⓘ

 Token Classification 

Examples ▾

CASE: A 28-year-old previously healthy man presented with a 6-week history of palpitations. The symptoms occurred during rest, 2–3 times per week, lasted up to 30 minutes at a time and were associated with dyspnea. Except for a grade 2/6 holosystolic tricuspid regurgitation murmur (best heard at the left sternal border with inspiratory accentuation), physical examination yielded unremarkable findings.


Compute

Computation time on Intel Xeon 3rd Gen Scalable cpu: cached

CASE: A 28-year-old Age previously healthy History man Sex presented Clinical\_event with a 6-week Duration history of pal Sign\_symptom pit Sign\_symptom ations. The symptoms Sign\_symptom occurred during rest, 2 Frequency –3 times Detailed\_description per week, lasted up to 30 minutes at a time Detailed\_description and were associated with d Sign\_symptom yspnea. Except for a grade 2/6 Lab\_value ho Detailed\_description los Detailed\_description ystolic Detailed\_description tricuspid Biological\_structure reg Sign\_symptom urg Sign\_symptom itation murmur Sign\_symptom (best heard at the left sternal border Biological\_structure with inspiratory accentuation), physical examination Diagnostic\_procedure yielded un Lab\_value remarkable findings.

### ⚡ Token Classification demo

using [dslim/bert-base-NER](#)

 Token Classification 

Examples ▾

My name is Timon, I live in Rotterdam, The Netherlands, and I work for Cimpres.

Compute

Computation time on Intel Xeon 3rd Gen Scalable cpu: 0.041 s

My name is Timon PER, I live in Rotterdam LOC, The Netherlands LOC, and I work for Cimpres ORG.

</> JSON Output 

Maximize

[\*\*https://huggingface.co/tasks\*\*](https://huggingface.co/tasks)

New chat

Today

Forest Gump emojis

AI in Simple Terms

AI and LLMs

Yesterday

Inclusive task term.

Previous 7 Days

Yoda's Motivational Wisdom

Motivation à la Yoda

AI vs. ML

AI Explained: Super-Smart Rob

Font Swap

Korting op Pizza Bestellen

Object Scene Generation

Explore Hugging Face Models

Upgrade to Plus

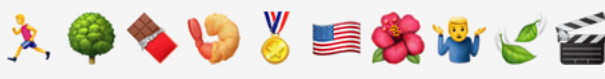

NEW




timonvanspronsen@outl...

chat.openai.com

Give me a sequence of emoji to describe the movie: Forest Gump.

< 2 / 2 >





Regenerate response

Send a message

Free Research Preview. ChatGPT may produce inaccurate information about people, places, or facts. [ChatGPT May 24 Version](#)



+

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NEW

timonvanspronsen@outl...

chat.openai.com

Technotronic...

Do a sentiment analysis on the text delimited by triple backticks. Respond with POSITIVE or NEGATIVE.

```This was a masterpiece. Not completely faithful to the books, but enthralling from beginning to end. Might be my favorite of the three.```

POSITIVE

Regenerate response

Send a message

Free Research Preview. ChatGPT may produce inaccurate information about people, places, or facts.

[ChatGPT May 24 Version](#)

# What now?

- It's up to you! We're here to help!
- Ideas
  - Adjust quote generation (e.g., pirate speak)
  - Look at other available HF models (e.g., summarization)
  - Chain models (e.g., object detection → translation)



[\*\*https://github.com/pixelbar/nodeschool-ai\*\*](https://github.com/pixelbar/nodeschool-ai)