Artificial Intelligence on AWS

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 Artificial Intelligence: design software applications which exhibit human-like behavior, e.g. speech, natural language processing, reasoning or intuition

Machine Learning: teach machines to learn without being explicitly programmed

 Deep Learning: using neural networks, teach machines to learn from data where features cannot be explicitly expressed



Artificial Intelligence At Amazon

Thousands Of Employees Across The Company Focused on Al



Discovery & Search



Fulfilment & Logistics



Enhance Existing Products



Define New Categories
Of
Products



Bring Machine Learning To All



Jeff Bezos' letter to Amazon shareholders

"We are solving problems with machine learning and artificial intelligence that were in the realm of science fiction for the last several decades. Natural language understanding, machine vision problems, it really is an

https://www.geekwire.com/2017/jeff-bezgs.explains-amazons-artificial-intelligence-machine-learning-strategy/

APR 18, 2017 @ 11:26 AM

The Great AI Recruitment War: Amazon Is On Top, And Apple Is Almost Nowhere To Be Seen



















Selected customers running AI on AWS













Carnegie Mellor





















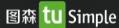




















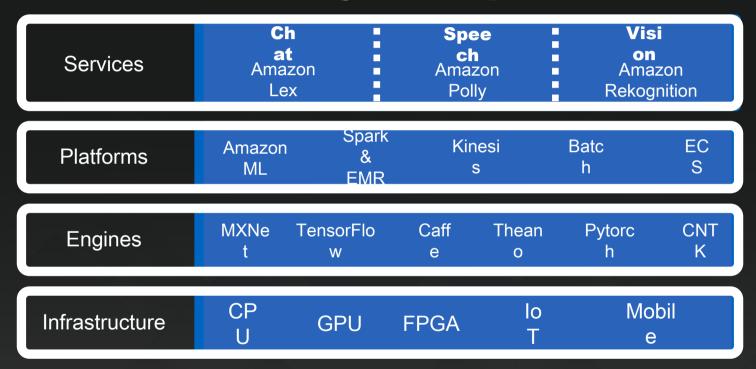








Amazon Al: Artificial Intelligence In The Hands Of Every Developer



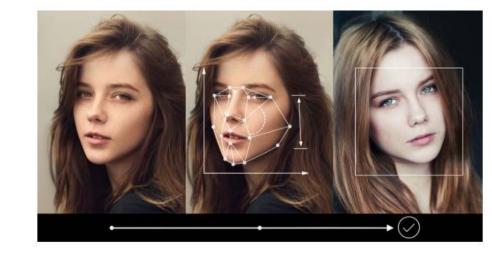
C-SPAN





Amazon Rekognition Helps Marinus Analytics Fight Human Trafficking

Marinus Analytics provides law enforcement with tools, founded in artificial intelligence, to turn big data into actionable intelligence. The Marinus flagship software, Traffic Jam, is a suite of tools for use by law enforcement agencies on sex trafficking investigations.





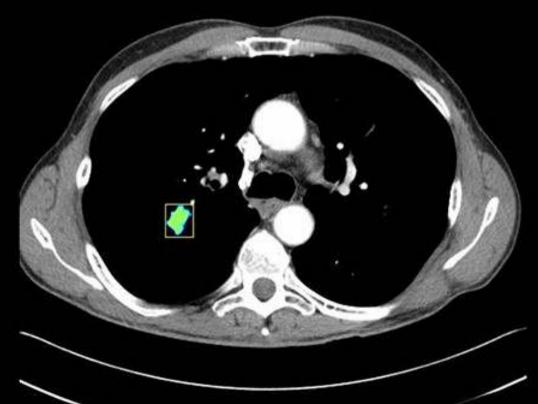
- Expedia have over 10M images from 300,000 hotels
- Using great images boosts conversion
- Using Keras and EC2 GPU instances, they fine-tuned a pre-trained Convolutional Neural Network using 100,000 images
- Hotel descriptions now automatically feature available images







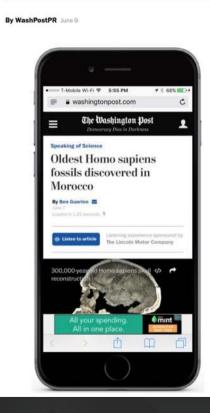


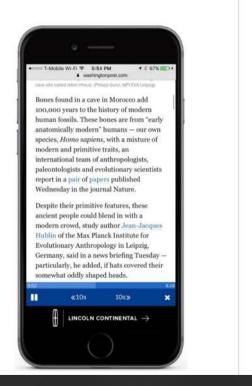


https://aws.amazon.com/blogs/ai/matrix-analytics-uses-deep-learning-on-aws-to-boost-early-cancer-detection/

The Washington Post

The Washington Post to start experimenting with audio articles using Amazon Polly











https://www.oreilly.com/ideas/self-driving-trucks-enter-the-fast-lane-using-deep-learning





Resources

https://aws.amazon.com/ai/

https://aws.amazon.com/blogs/ai/

https://mxnet.incubator.apache.org/

https://medium.com/@julsimon/



Thank you!

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