MoroccoAI

AI Newsletter

ISSUE NO. 1 | MARCH 2023

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Opening Letter

Greetings MoroccoAI community,

We are thrilled to present the first edition of the MoroccoAI Newsletter. Our aim is to keep the MoroccoAI community informed about the latest AI developments.

In this newsletter, we have compiled noteworthy innovations, news, and trends from the recent past that we believe you should be aware of. From breakthroughs in natural language processing to advancements in computer vision, there is much to discuss in the world of AI.

We are inspired by the community we have built together. In just two years, our slack platform has grown from 100 members to over 1,700, and we have over 10,000 followers on social media platforms.

Community is essential to us, and we cannot progress without each other. We will continue to explore new ways of working together and expanding our community.

We appreciate your unwavering support and involvement in MoroccoAI.

Please share this newsletter with others and spread the word.

Thank you for being a part of MoroccoAI!

MoroccoAI team


AI
Around
The World

Content

Business

Unlocking Business Success with GitHub Copilot

OpenAI is offering third-party developers access to ChatGPT and Whisper models via API, at a cheaper cost than existing language models. Whisper, an AI-powered speech-to-text model, is also available for use through an API. *read more*

Github Feb. 14th

Next-Gen Browsing: AI-Boosted Bing & Edge

Microsoft has launched "Copilot for the web," an AI-powered search experience for Bing and Edge, which uses LLMs to provide personalized and relevant search results based on a user's browsing history. *read more* Microsoft Feb. 7th

Radio Reimagined: Meet RadioGPT, Your AI Companion

WKSU, a Cleveland-based radio station, is utilizing AI technology from startup sonavi labs to automate its news broadcasts with a natural-sounding, tone-adjusting human-like voice, becoming one of the first radio stations to do so. *read more*

Axios March 7th

Chat Evolution: OpenAI's ChatGPT & Whisper Combo

OpenAI is offering third-party developers access to ChatGPT and Whisper models via API, at a cheaper cost than existing language models. Whisper, an AI-powered speech-to-text model, is also available for use through an API. *read more* OpenAI March 1st

Bing Chatbot: Personalize for Fun & Engagement!

Microsoft has added a feature to Bing's AI chatbot to allow users to switch between professional, casual, and empathetic modes, enhancing user engagement. The chatbot is already widely used in China for a range of tasks, including emotional support.. *read more* Microsoft March 2nd

Research

LLaMA: Revamp Language with Open & Robust Models

FAIR has launched an open-source language model called "LLAMA" that uses a compression technique to reduce model size up to 40 times, resulting in better memory efficiency and speed without compromising performance. *read more* Meta AI Feb. 24

Mastering UI with Vision and Language Fusion

Google AI researchers created a new approach called "VLP-Caption" for generating computer-generated image descriptions. The approach combines image recognition and language generation into a single model that outperformed previous state-of-the-art models. *read more* Google AI Feb. 24th

Achieving Instruction-Following Accuracy with Alpaca

Stanford's CRFM and HAI have released Alpaca, a new instruction-following model based on Meta's LLaMA 7B model and trained on 52K demonstrations using OpenAI's text-davinci-003, displaying similar behaviors to OpenAI's model. *read more* Stanford March 13th

Robot Navigation with Performer-MPC's Real-Time AI

Google AI researchers have created "Performer-MPC," which uses real-time optimization and model predictive control for robot navigation, based on a model called "Performer" to predict and optimize paths in complex environments *read more*

Google AI March 3rd

Drawing, and Editing Made Easy with Visual ChatGPT

Microsoft has developed Visual ChatGPT, a model that combines language and visual models to enable better communication through both text and images, providing a means to explore multimodality in LLMs. *read more*

Microsoft March 8th

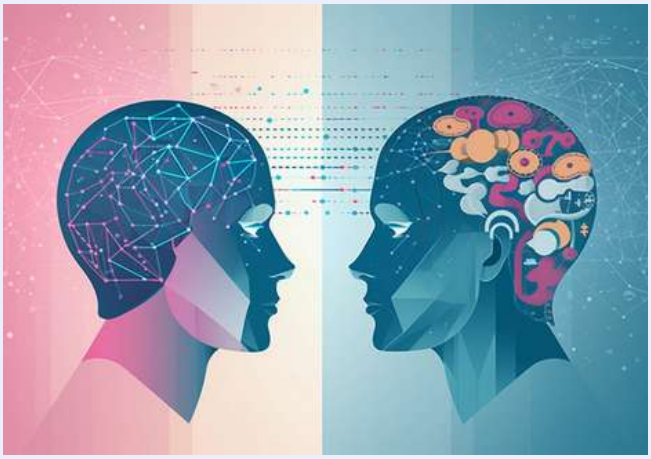
GPT-4: Advancing the Power of AI Language Models

OpenAI has released GPT-4, a model that can handle text and image inputs and generate human-like text outputs with improved accuracy, creativity, and understanding on different benchmarks. It outperforms other language models and has stable training performance. *read more*

OpenAI March 14th

Ethics & Responsible AI

ChatGPT: Unveiling the Hidden Challenges



Monash University's Lens publication emphasizes the ethical issues of language models like ChatGPT, urging responsible development and deployment to guarantee transparency and accountability and mitigate potential harm. *read more* ChatGPT Feb. 13th

Chamber of Commerce Urges for AI Regulation

The U.S. Chamber of Commerce has proposed AI regulation to ensure ethical and safe development and use, prioritizing privacy, cybersecurity, preventing bias and discrimination, and promoting AI that benefits society through research and development. *read more* Reuters March 9th

Planning for AGI and beyond

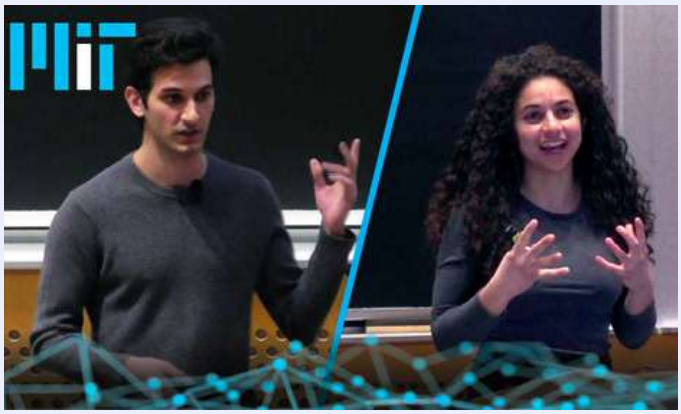
Preparing for AGI involves a gradual transition towards deploying increasingly powerful AI systems, allowing for adaptation and regulation. However, caution is necessary as the risks of AGI are considered existential, and plans may need to change if the balance between benefits and downsides shifts. *read more* OpenAI Feb. 24th

Education

MIT Introduction to Deep Learning Course 2023 LIVE

MIT offers an introductory program on deep learning with a focus on computer vision, natural language processing, and biology by Alexander Amini and Ava Amini. The program teaches deep learning algorithms, provides practical experience with TensorFlow, and ends with a project proposal competition.

MIT March 10th



Learn More

Course Chapters

Lecture 1: Intro to Deep Learning
Lecture 2: Deep Sequence Modeling
Lecture 3: Deep Computer Vision
Lecture 4: Deep Generative Modeling
Lecture 5: Uncertainty and Bias
Lecture 6: Deep Reinforcement Learning
Lecture 7: Limitations and New Frontiers
Lecture 8: The Modern Era of Statistics
Lecture 9: Robot Learning
Lecture 10: Text-to-Image Generation

Public Figure

Prof. Geoffrey Everest Hinton

Geoffrey Hinton, Emeritus conference 2022 Prof. Comp Sci, U.Toronto & Engineering Fellow, Google and recipient of the ACM Turing Award in 2018 and honorary speaker of the latest MoroccoAI is considered one of the pioneers of deep learning. Geoffrey Hinton's aim is to discover a learning procedure that is efficient at finding complex structure in large, high-dimensional datasets and to show that this is how the brain learns to see. In his conference keynote, Hinton presents a new learning algorithm for neural networks called the "forward-forward algorithm" published in NeurIPS 2022.

Hinton explains that the forward-forward algorithm is inspired by our knowledge of neural activations in the brain and has the potential to replace the widely used backpropagation algorithm for training neural networks. The forward-forward algorithm works by replacing the forward and backward passes of backpropagation with two forward passes that operate on real and negative data, respectively, and adjust the neural network's weights to increase or decrease goodness without the need to compute gradients. The FF (Forward-Forward) algorithm is comparable in speed to backpropagation but has the advantage of working with black-box modules and not requiring differentiable functions.

MoroccoAI Highlights

MoroccoAI Conference

AI should not be restricted
to academic elite.
It should be accessible to all citizens

H.E. | Dr. Aawatif Hayar

WATCH NOW

Once you get close enough..
suddenly, all sorts of things
start making sense

Prof. Geoffrey Hinton

WATCH NOW

Research is about effort..
It is no coincidence. You have
to experiment. You have to
work hard

Prof. Rachid Guerraoui

WATCH NOW

Al is changing the way
humans behave and we would
like this change to happen in
the good way for what we
value in our society

Prof. Malik Ghallab

WATCH NOW

Data scientists and factory leads
have different backgrounds.
Developing a common language
is key to succeed in
building an Al bridge

Dr. Hicham Zmarrou

WATCH NOW

We often overlook the
crucial role of computing
platforms in deploying
Al at large and at edge

Prof. Said Hamdioui

WATCH NOW

In the future, AI will be distributed, and we will need a network that interconnects all the resulting systems

Prof. Merouane Debbah

WATCH NOW

Wherever there is data being collected, there lies a significant opportunity for AI to address various challenges and issues

Dr. Bouchra Bouqata

WATCH NOW

When developing AI strategies, it is important to take into account both the potential of positive and negative climate impacts of AI

Dr. Priya L. Donti

WATCH NOW

AI development in Morocco cannot be dissociated from a global strategy on science and technology

Prof. Mohamed Najim

WATCH NOW

CURRENT AVAILABLE OPENINGS
TO JOIN MOROCCOAI'S TEAMS

Submit your application today

team@morocco.ai

- Social Media & Community Engagement
- AI Newsletter
- Creative Design
- Website Development
- Study Groups & Journal Club

Apply now !

Webinars

Conferences

Promoting excellence in AI education and research and connecting today's and tomorrow's AI leaders.

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