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## **Inaugural issue!**

Dear *subscribers*,

**Welcome to the very first issue of AiMindScape, your new weekly guide to everything AI!**

We are thrilled to embark on this journey with you, exploring the fascinating world of artificial intelligence.

Our goal is to make AI accessible and engaging for everyone, whether you're a tech enthusiast, a professional, or simply curious. We believe in AI's transformative power and can't wait to share it with you.

In this inaugural issue, we've curated a selection of the week's most important AI news, spanning the dates of **May 22nd, 2023 to June 1st, 2023**. We hope you find these insights as intriguing as we do!

As we progress on this exploration together, we welcome your feedback and suggestions. Immerse in the AI world!

Sincerely,

Grant Toney

Editor, AiMindScape

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## Feature Focus

### Adobe's AI Revolution "Generative Fill"



Adobe® Generative AI® software

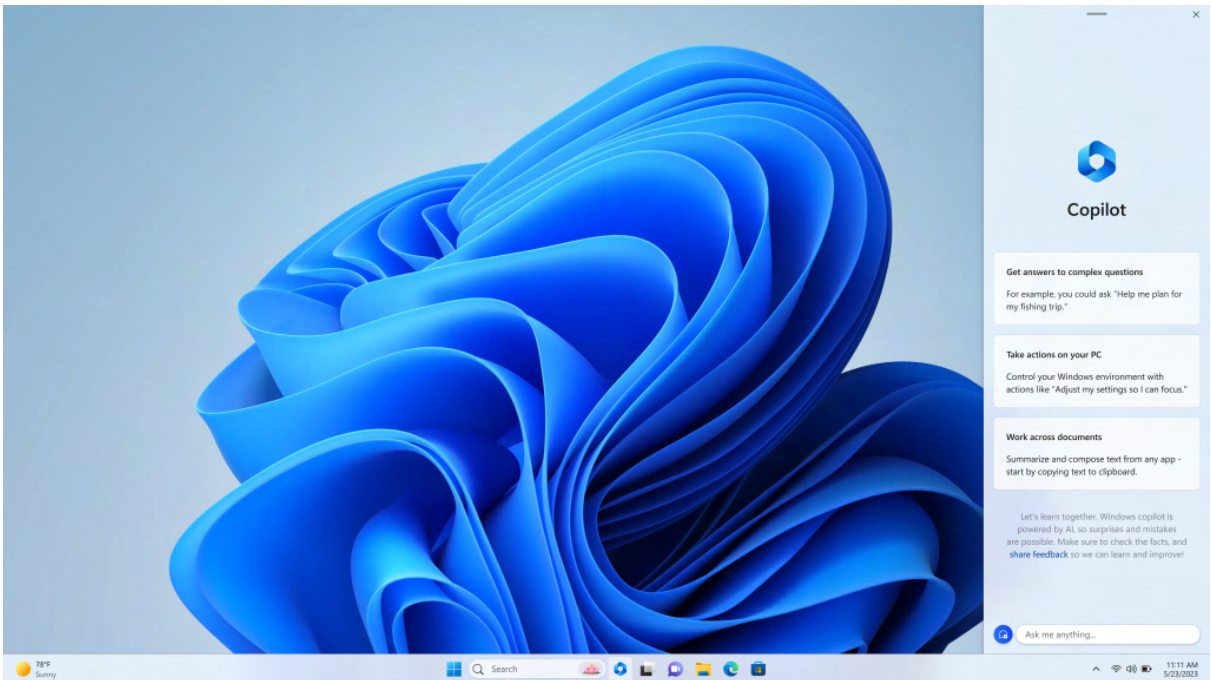
AI is not just about robots and self-driving cars, it's also transforming the way we create and edit digital media. Adobe, a name synonymous with creative software, has introduced a new AI-powered feature in Photoshop called "[Generative Fill](#)".

This new tool can extend photos, add or delete objects using text prompts, and even remove unwanted elements from images, all while maintaining the overall integrity of the composition. It's a game changer for photographers, designers, and content creators, streamlining the editing process and saving valuable time and effort. Adobe continues to innovate with AI, turning complex tasks into simple commands.

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## AI Power Plays

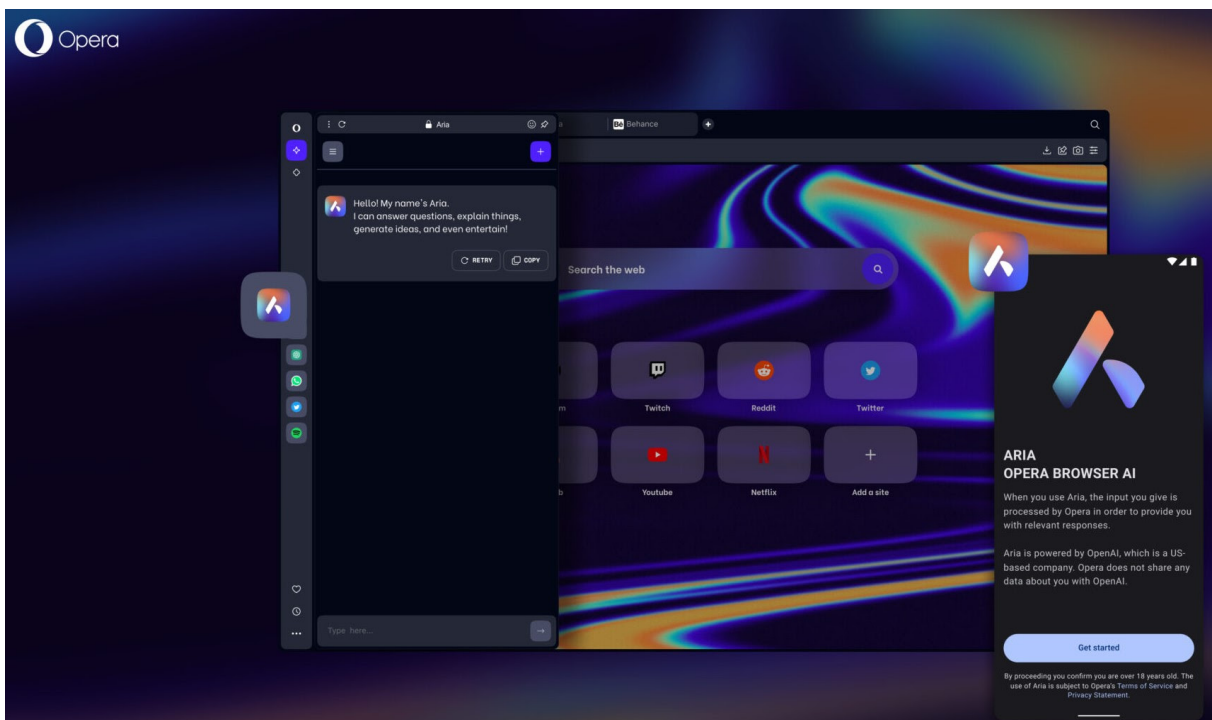
### Microsoft's Windows 11 & Opera's Aria



Windows Developer Blog / Panos

The AI landscape is continuously evolving, and our tech giants are at the forefront of these changes. Microsoft, is bringing AI to Windows 11 with "[Windows Copilot](#)", the first PC platform to provide centralized AI assistance. This AI-powered feature aims to enhance user experience by helping them accomplish tasks and increase productivity. Plus, Bing Chat plugins are being extended to Windows, opening up new opportunities for better customer service and engagement with native Windows apps. Microsoft's innovations are creating a more immersive and productive AI experience for users.

On the other hand, Opera, the web browser company, is integrating AI into its browsing experience with "[Aria](#)", their new browser AI. Built on Opera's Composer infrastructure and leveraging OpenAI's GPT technology, Aria acts as a web expert and browser companion, making searching for information, generating text or code, or obtaining answers to product-related queries easier and more efficient. Opera's new AI feature is redefining how we interact with web browsers



Opera/Czajka



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## Healthcare Innovation

### AI Miracles in Motion

In an inspiring demonstration of AI's potential to revolutionize healthcare, [Swiss researchers](#) used artificial intelligence to make a life-altering difference for Gert-Jan Oskam, a man who had been paralyzed from the waist down for over ten years. With the help of an AI thought decoder, scientists were able to create a "digital bridge" connecting Oskam's brain and spinal cord, bypassing the damaged areas and restoring voluntary movement. The results were nothing short of miraculous; Oskam is now capable of walking even when the implant is deactivated, marking a significant advancement in the field of spinal cord injury rehabilitation. This story stands as a testament to the transformative power of AI in healthcare, offering hope and inspiration for the countless ways AI can contribute to medical breakthroughs.



EPFL/Jimmy Ravier

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# AI Developments at a Glance

## Quick Dips into the AI World

1. **OpenAI's ChatGPT Enhancements:** OpenAI is continually updating ChatGPT with new features, including the ability to share chats. Now you can easily show off your insightful or entertaining AI interactions to friends and colleagues.
2. **Crowdsourcing AI Regulations:** OpenAI is also making strides in ensuring the responsible use of AI by announcing plans to crowdsource regulations. This move signals their commitment to democratic inputs into AI policy-making.
3. **Manhattan Project for AI Safety:** Some experts are calling for a concerted, Manhattan Project-style effort focused on AI safety, highlighting the urgency of developing safe and ethical AI systems.
4. **Crypto and AI Convergence:** Crypto.com, a major international crypto exchange, is stepping into the AI realm, showcasing the growing trend of Web3 and AI intersections.
5. **AI Discovers Superbug-Killer Antibiotic:** In an unexpected but welcome development, AI has identified a new antibiotic capable of killing superbugs. This discovery showcases the potential of AI in the field of medical research and drug discovery.
6. **Prompt Injection Attacks:** AI isn't all roses; we need to be aware of potential vulnerabilities, such as prompt injection attacks. As we continue to rely on AI, it's crucial to stay informed about potential risks and security measures.
7. **The White House Updates the National AI Strategic Plan:** The US Office of Science and Technology Policy (OSTP) has updated the National AI R&D Strategic Plan, focusing on international collaboration and responsible AI research. The plan addresses global issues such as the environment and manufacturing, while exploring the capabilities and limitations of AI technologies.
8. **Microsoft's AI Updates at the Build Developer Conference:** Microsoft has announced several AI updates at its annual developer conference, enhancing Bing and ChatGPT among other features. These updates are aimed at creating a more comprehensive and interactive AI user experience.

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## Policy Corner

### Steering the Course of AI





Adobe® Express® software

The rapidly evolving landscape of AI technology continues to raise questions about regulation and oversight. A key development in this space has been the announcement by OpenAI that they plan to crowdsource AI regulations. This pioneering approach seeks to encourage democratic input into the shaping of AI policy, marking a significant step towards a more inclusive governance model for this transformative technology.

In addition, the US Office of Science and Technology Policy (OSTP) has updated the National AI R&D Strategic Plan for the **first time** since 2019. The updated plan emphasizes international collaboration and responsible AI research, indicating a broadening scope for policy considerations. It aims to address global issues such as the environment and manufacturing, while also exploring the theoretical capabilities and limitations of AI technologies.

Moreover, in an effort to ensure AI safety, some experts are advocating for a concerted, Manhattan Project-style effort focused on AI safety. This call to action underscores the urgency of developing safe and ethical AI systems, and the role of policy in driving such initiatives.

These recent developments highlight the growing recognition of the need for comprehensive and proactive policy measures in the realm of AI, with a focus on safety, inclusivity, and global cooperation.

# AI's Economic Extravaganza



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**Get your calculators ready**, because the world of AI is about to add a whole lot of zeros! According to Bloomberg Intelligence, generative AI is poised to be a whopping \$1.3 trillion market by 2032. Just to be clear, that's **trillion with a 'T'**. Yes, you read it right, and no, it's not a typo! This segment may grow at a compound annual rate of about 42%, boosting sales for the tech industry's hardware, software, services, ads, and gaming segments.

If these numbers are making your head spin, take a moment to imagine the mind-boggling potential of AI. From spicing up our Photoshop skills to helping us reclaim lost mobility, AI is clearly more than just a financial juggernaut. It's transforming every aspect of our lives.

So, as we marvel at these economic forecasts, let's also take a moment to appreciate the value that AI brings beyond the dollar signs. After all, you can't put a price on the smile of someone who just Photoshopped their ex out of their favorite vacation photo, can you?

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## Signing Off For The Week

**Phew**, that was a lot of AI! And that's just one week in this rapidly evolving field. As we bid you adieu for this week, we hope you're walking away with a broader understanding of the AI world and a curiosity to know more.

Remember, AI isn't just about robots and self-driving cars, it's about how we interact with technology, how we solve problems, and how we envision the future. From healthcare to art, from policy to commerce, it's touching every aspect of our lives, and we're here to help you navigate this brave new world.

So, until next week, stay curious, stay informed, and most importantly, stay excited. The future is full of possibilities, and we're thrilled to have you with us on this journey.

Best,

AiMindScape Team

**P.S.** Have a friend who's into AI? Feel free to forward them this newsletter. The more, the merrier! Plus, keep an eye out for our upcoming **referral rewards system**. Sharing the AI love could soon be even more rewarding!

