

The Big Reveal

With Futurist Amelia Kallman

#59



Introduction

Welcome to issue #59 of The Big Reveal! You can also watch it on YouTube [here](#).

Looking forward to speaking at [AHRMIO](#) in Rome, and upcoming private events in London and Brussels! It was a pleasure to speak at recent events for Logitech, Shelton Fleming, and Verve.

I've become increasingly passionate about raising awareness around the environmental and mental health risks of AI. If you'd like to learn more about these topics, please don't hesitate to be in touch.

Latest videos:

- [Is a Dystopian Future Inevitable?](#)
- [Sustainability, Jobs & Leadership](#)
- [AI, AV & Sustainability](#)

All the best,
[Amelia](#)



01

Slingshot

Slingshot AI is a mental health research lab that aims to train the first foundational model for psychology. With 1 in 10 people seeking mental health treatment in the US, professionals are overwhelmed and waitlists are long. Through implementing AI, they aim to make mental health support available in abundance, helping people directly, as well as assisting providers to deliver better care. Available 24/7, their initial model, *Talk to Ash*, includes multi-session memory, voice-first technology, personalised insights, and puts privacy first. Try it at the link below.

[Talk to Ash.](#)



02

PrismsVR

PrismsVR offers students physical learning experiences in virtual reality to teach core concepts in math and science. Changing the dynamics of the classroom, PrismsVR encourages self-paced student-led learning, allowing teachers to focus on asking the right questions, sparking curiosity. Instead of reading about biology or trigonometry, students become biomedical researchers or rural architects tasked to design a new school. Offering a new learning platform, methodology, and tech infrastructure, one early test found that students who learned via PrismsVR scored 11% higher on tests.

[Article.](#)



Image by PrismsVR

03

Broadmind

Broadmind is a non-invasive brain-computer interface (BCI) that combines neurotechnology and AI to let people control technology via their thoughts alone. Making BCI technology available to anyone for gaming, developing, or exploring neuro-feedback, Broadmind's high-quality EEG hardware and AI-driven software provides an easy-to-use, ethical, and accessible solution to bring neurotechnology into everyday life. Currently being offered on Kickstarter for a 50% discount at \$299.

[Kickstarter.](#)



Image by Broadmind

04

Ambience Healthcare

Ambience Healthcare is an AI-powered platform that automates routine tasks for clinicians before, during, and after patient visits. Streamlining administrative tasks in hopes of preventing burnout, the platform is directly embedded into electronic health records, handles real-time transcription, navigates thousands of insurance billing codes, and can offer multilingual capabilities. Already implemented in 40+ institutions, it's reported to save clinicians 2-3 hours per day in time spent on paperwork.

[Article.](#)



Image by MIT

05

DataCrunch

Finnish startup DataCrunch sells GPUs (graphics processing units) “as-a-service,” promising to reduce the costs for AI processing with its green credentials. What makes DataCrunch unique in the market is that it addresses the gargantuan amount of energy required to power the AI revolution with its data centres in Helsinki and Iceland running on 100% renewable energy.

Article.



06 Hop

Hop is a multi-person autonomous concept vehicle designed to offer an alternative to urban transportation. Designed by OfMyImagination, Hop is an automated scooter that carries up to 4 people, but has a similar carbon footprint to a two-wheel scooter. Hop can easily navigate tight spaces and act as a last-mile travel solution between transport hubs. With level 5 autonomy, OfMyImagination imagines Hop could be the future of urban commuting.

[Article.](#)



07

AI Agents

Early adopters of Microsoft's Copilot Studio launching next month will have access to 10 off-the-shelf bots, or "virtual employees", that can carry out roles including supply chain management and customer service. Operating without human intervention, it will also provide tools for companies to create their own AI agents with no coding necessary.

[Article.](#)



08

Wireless Record

While the latest 5G networks have a theoretical throughput of 20 gigabits per second, the wireless hop between cables and smartphones gets bottlenecked and struggles to keep up with the increasing demand for high-speed data access. A team from University College London has now devised a new approach to amp up wireless communication by combining radio waves and light, resulting in a new record for wireless speed and nearing the fabled one-terabit barrier.

[Article.](#)



09

Oculomics

Researchers have developed a device that scans the eye to detect life-threatening diseases. A non-invasive cost-effective way to check for multiple conditions at once, the device allows doctors to view tiny details in the back of the eye that can reveal signs of Alzheimer's, diabetes, heart disease, and sickle cell anemia. "Oculomics" relies on technology developed by astronomers to observe the cosmos. Once the hardware and its machine learning analysis components are streamlined, the system will be commercialised and integrated into annual eye exams.

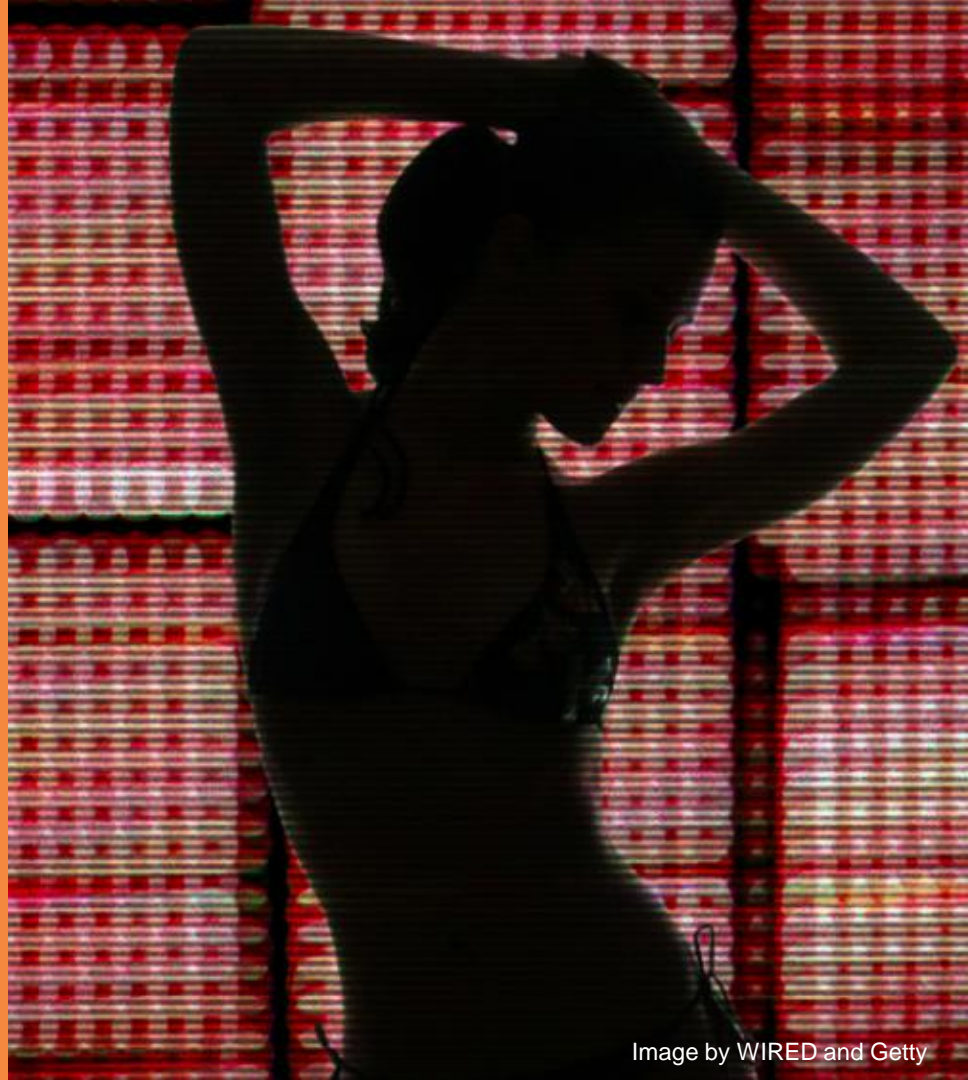
[Article.](#)



10 Porn Bots

Sexually explicit non-consensual deepfakes have recently become more prevalent, damaging, and easier for anyone to instantly produce - and easier for anyone to become a victim. On Telegram 50+ apps with over 4 million monthly users offer to “remove clothes.” Some claim to be able to put people into 40+ explicit scenarios. While this form of abuse is becoming increasingly common, perpetrators are difficult to track and monitor, and are rarely held accountable. One recent survey found 40% of US students in grades K-12 were aware of deepfake abuse linked to their schools in the last year.

[Article.](#)



Thank you

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