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## Twitter Thread by Oliver Cameron





Al is changing everything, and it's not just ChatGPT or self-driving cars.

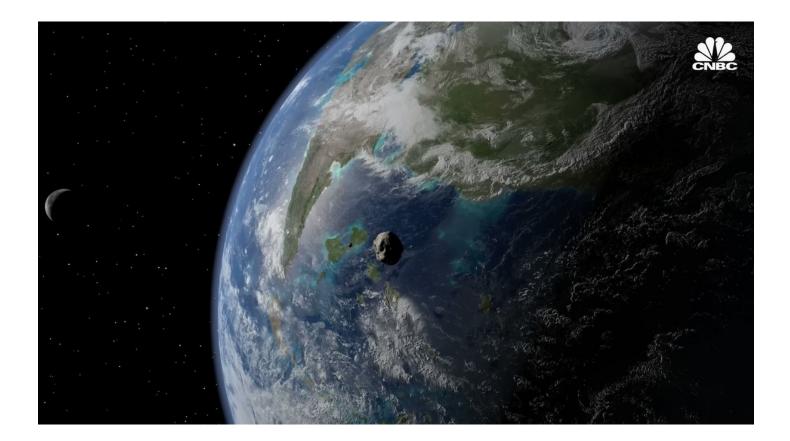
You'd be surprised at just how broadly AI is being applied across tons of industries.

# I've now invested in 50 AI startups, and here are some recent investments using AI in fascinating applications ■

E <u>@ForgeAstro</u> is building robots to autonomously mine asteroids, returning precious materials to Earth.

Why? One asteroid can contain up to \$10,000 quadrillion(!) of rare material.

This is enabled by computer vision, affordable rocket rides, and small sat maturation.



■ <u>@WOMBO</u> makes creating images with AI easy, fun, and useful.

With 130+ million downloads on iOS and Android and 2 billion images created, they are likely the largest consumer AI startup around.

My 8-year-old uses <u>@WOMBO</u> like I did Photoshop way back when. So fun.

■ <u>@BiofireUSA</u> protects kids from guns using AI.

<u>@BiofireUSA</u> is building a handgun that only fires for the authenticated owner, ensuring that kids don't stumble upon a gun and tragically lose their life.

Imagine incredibly low-latency and accurate FaceID-like auth for guns.



■ What if video editing was reinvented with AI? Enter <u>@runwayml</u>, which enables complex videos to be created with AI in minutes vs. days.

Not only does <u>@runwayml</u> speed up creation, they also enable wild ideas that exist only in your mind to come to life.

### https://t.co/lkqNeCKrfG

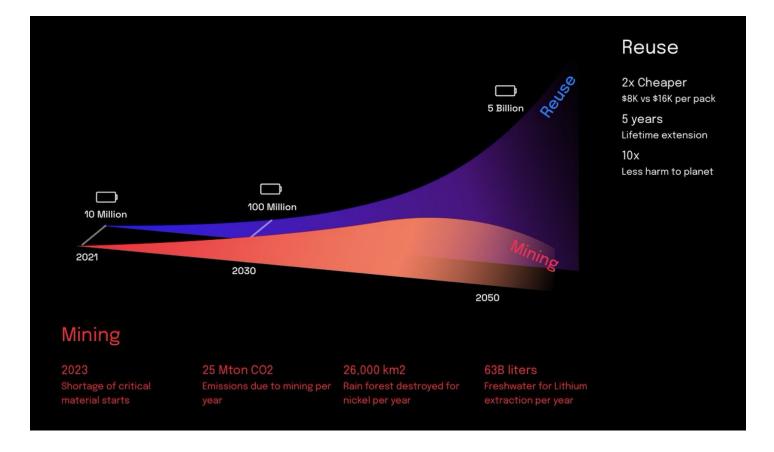
Prompt: Home Alone. But as the opening credits of White Lotus season two. <u>#MadeWithRunway</u> <u>pic.twitter.com/CJA3Ry3zMw</u>

- Jamie (@umpherj) December 19, 2022

■ <u>https://t.co/50DyEIObrZ</u> automates the disassembly of EV batteries with AI.

We cannot rely on mining lithium to fuel EV expansion, and human disassembly of EV batteries is dangerous and slow.

The solution: autonomous robots disassembling batteries, powered by machine vision!



To efficiently scale AI, Geoffrey Hinton believes we need an entirely new computer—likely neuromorphic.

<u>@Rain</u> <u>AI</u> is working on precisely that, pioneering a neuromorphic processing unit (NPU) that's 10,000x more efficient, delivering what comes after the GPU & deep learning.

## A new type of computer

- Computers were designed to faithfully implement instructions because it was assumed that the only way to get a general purpose computer to solve a specific task was to tell it exactly what to do.
- This is no longer true, but the research community has been slow to realize the implications of deep learning for how computers are built.

We will see a completely new type of computer.

- It will not replace digital computers.

■ <u>https://t.co/CJmiEnOqiV</u> transforms existing earth-moving machines into fully autonomous machines with AI.

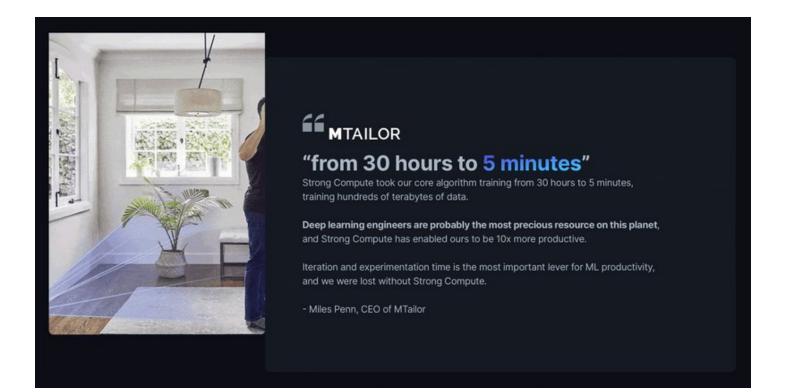
How much more could we build on our planet if we had a low-cost, around-the-clock workforce of robot earth-moving



■ <u>@StrongCompute</u> is speeding up training ML models by 10x-1,000x.

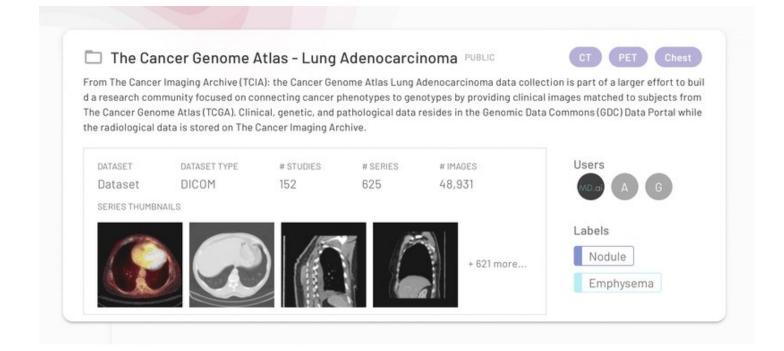
The amount of unproductive time in ML today is staggering, which is why <u>@StrongCompute</u> is growing so fast.

One customer: "Strong Compute took our core algorithm training from 30 hours to 5 minutes."



■ We know AI can dramatically improve detecting health issues in medical imaging, and <u>@md\_ai</u> is where that AI is being built.

With <u>@md\_ai\_</u>, you can create or browse the best medical datasets in the world, and then train and deploy state-of-the-art medical ML models.



■ <u>@PolymathRobots</u> has built true plug-and-play AI for industrial vehicles.

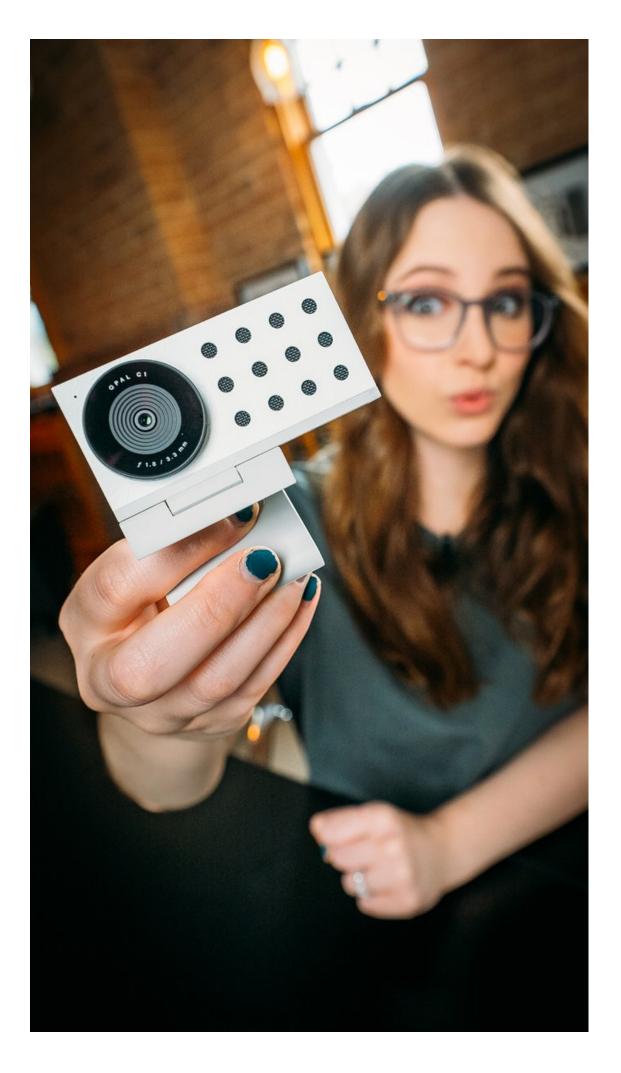
Think about enabling thousands of vehicles in rail yards, mines, airports, and fields to drive by themselves.

@PolymathRobots's key insight is reducing integration time with sim, and it's working.



■ <u>@opalcamera</u> has built a beautiful webcam augmented with AI, producing DSLR-like image quality for only \$300.

They tightly integrated a 4K mirrorless lens, beamforming mics, and computer vision to deliver the best webcam out there.



■ <u>@twelve\_labs</u> has developed the world's best video search, powered by state-of-the-art AI.

Imagine being able to search millions of videos with complex questions, with AI pin-pointing non-obvious but relevant scenes.

Basically, useful video search is finally here.

Amy and her team discussing marketing strategies for the new product line in a conference room

Thanks to these startups and others, the future will be awesome. If you're building something similarly great, please DM me.

Here are a bunch more super cool AI startups to check out.

#### https://t.co/ql1nu8HMNV

3 years ago, I started angel investing in machine learning and autonomous robot startups. I'm now 35 startups in, learning a lot, and having a blast.

The future is going to be incredible. Here are just a few of the startups making it happen \U0001f447

- Oliver Cameron (@olivercameron) December 24, 2021