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# AI Beyond Deep Learning - The Next Generation

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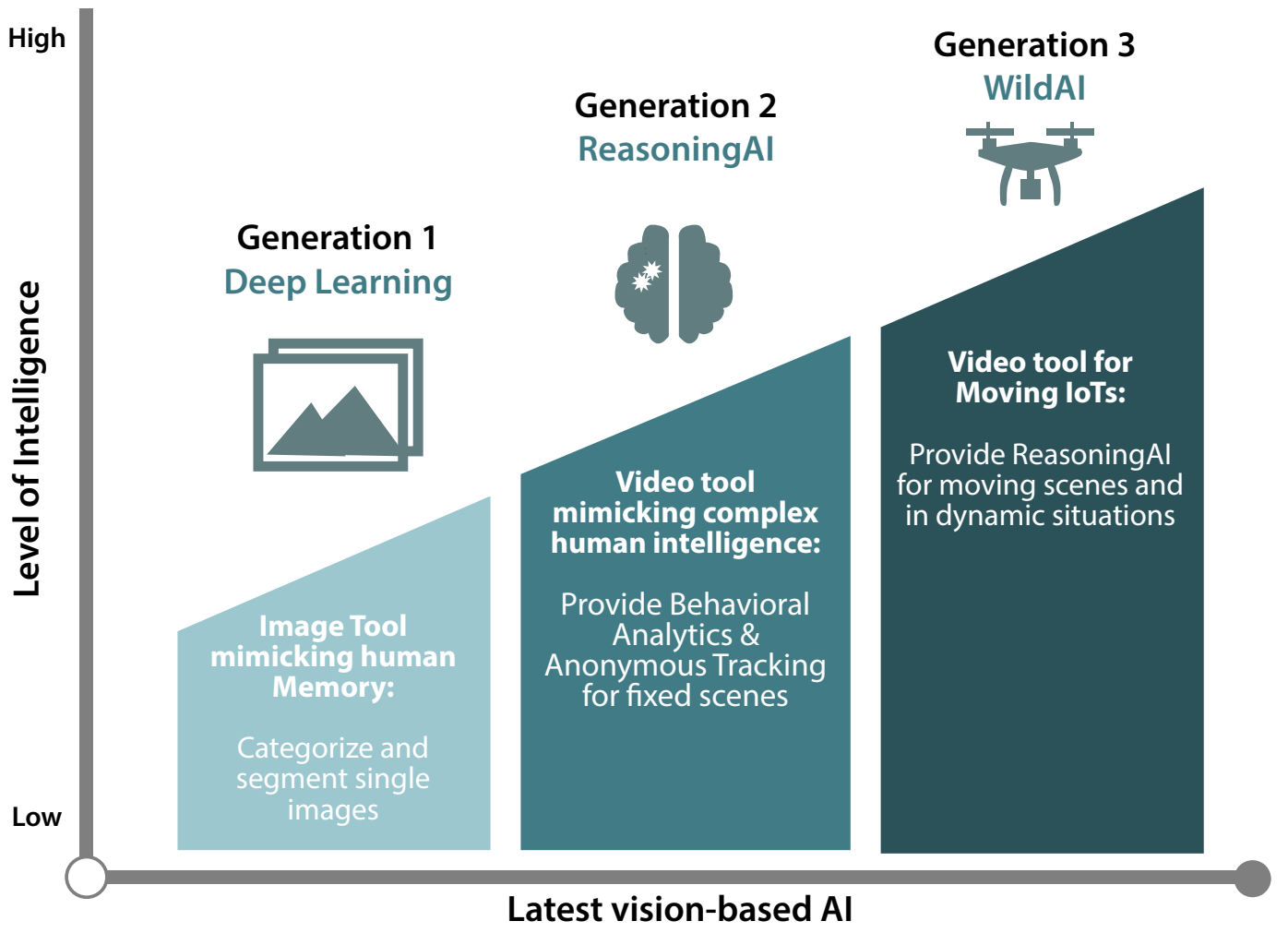
Deep Learning has been made very fashionable over the last few years and people have tended to use the term synonymously with Artificial Intelligence ever since "tech giants" like Google and Microsoft have embraced it.

The technology is very powerful for categorizing objects within an image. One can provide it with a large dataset of any object eg 10,000 images of dogs, and the system can be trained to detect the next dog that comes along.

Deep Learning requires large training data sets and is very computing heavy. It is difficult for the technology to be applied to practical use-cases. Wildfaces recently completed a project for the Hong Kong Prisons where they wanted to detect suicide attempts. There was no opportunity to collect a large dataset of relevant cases. For that requirement, Wildfaces applied its unique ReasoningAI technology that could better mimic human intelligence, ensuring a quick and successful deployment.




The latest IoT camera devices are now mounted on moving carriers, for example, drones wearables or robots. Typical vision-based AI solutions can lose its context as both the foreground and the background move simultaneously. Wildfaces has overcome this challenge with a new type of AI that it has developed called **WildAI.**

Both **ReasoningAI** and **WildAI** require very limited or even no datasets for training. This results in light computing, enabling systems to understand their environment in a way that Deep Learning never could. These are destined to ensure systems develop greater levels of comprehension than has been possible in the past.

**Computing Light** | **No dataset for training** | **Quick Deployment** | **Practical Approach**

## Smart Traffic under Extreme Conditions

Wildfaces has just completed the first phase of a Smart Traffic Management System in Hong Kong. The requirement was theoretically simple to detect trespassing on the freeway. However, the weather conditions were extreme and the lighting conditions were poor and inconsistent resulting in many false alarms for systems that had been tried out before.

These previous systems generated 200 to 1,000 false alarms per day per camera which was unacceptable for the users who were running a mission critical system. While the accuracy of the system was important the ability to eliminate false alarms was also essential.

The Wildfaces system achieved 100% accuracy during the first 8 weeks of operation with only one false alarm during that period, thanks to its unique Artificial Intelligence based NAMS (Nuisance Alarm Minimization System).

The most important factor was ease of deployment. With Wildfaces' **ReasoningAI** no massive datasets were required for training, no GPUs were needed in the network and it was possible to deploy the system in days rather than months.

# Second Angel Investor for Wildfaces

A second Angel has now invested in Wildfaces.

*"A unique value proposition, a new perspective and a pragmatic approach for vision-based analytics.* **WildAI** *has the potential to be one of the leading foundation platforms."*

The family office of Mr. Ken Or has now invested in Wildfaces. He believes in **WildAI**, not only because of its advancement from Deep Learning but because it can offer a wider range of applicable use-cases alongside the emerging development of IoT devices.

To guide it on its path, Ken has personally joined the company as its Director of Strategy, responsible for corporate development and capital raising. Beyond looking for external monetary funding, he will steer the company to prioritize business development synergies with investors. The company may potentially offer project-based capital raising rounds for its research & development initiatives.

**Mr. Ken Or**


# Comprehensive Anti-Contagion system

As organizations attempt to go back to normal after the peaks of the pandemic they need to ensure that their staff and visitors remain safe. To help them Wildfaces has used its unique **ReasoningAI** technology to develop a comprehensive suite of tools which include:

- An automated Fever Detection capability which operates without the need to have paramedics watching every camera.
- A contactless Access Management System that provides multi-factor authentication and access for busy environments without people having to press buttons or touch anything.
- An evacuation management system that operates at close to 100% accuracy.
- A Social Distancing system that will raise alarms if social distancing norms and not met.
- A PPE detection system which will advise if people are not wearing their masks at all times.

All these systems are computing light and require no training data sets.


*For more information give us a visit! www.wildfaces.ai | bd@Wildfaces.ai*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