

# The Ghost in the Machine

An Expat's Guide to Surviving and Thriving in the  
Artificial Intelligence Revolution

DOMINIC | FLEX2 DIGITAL TECHNOLOGIES GROUP



# What Do We Know So Far?

👉 Show of hands: Who uses AI daily?

👉 Show of hands: Who thinks AI will take over?

*"AI has zero will, zero desires, and zero feelings. It is an incredible mirror to humanity."*

It can synthesise empathy and encouragement, but it's just an illusion. The ghost in the machine.



# Levels of Intelligence

1

## Emerging

Equal to or better than an unskilled human. This is where ChatGPT (GPT-4) sits today.

2

## Competent

Outperforms 50% of skilled adults. None exist yet, but we are very close.

3

## Expert

Outperforms 90% of humans. Imagine a senior lawyer and doctor in one system.

4

## Virtuoso

Outperforms the top 1%. Think DeepMind's AlphaGo or AlphaFold.

5

## Superhuman

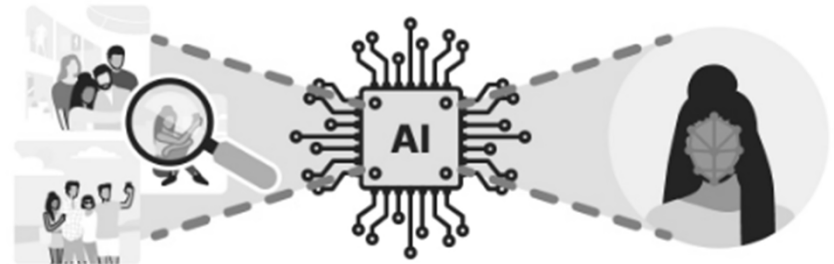
The AGI / SI goal. Surpasses 100% of human intellect across all tasks.

# Is Current AI Dangerous?

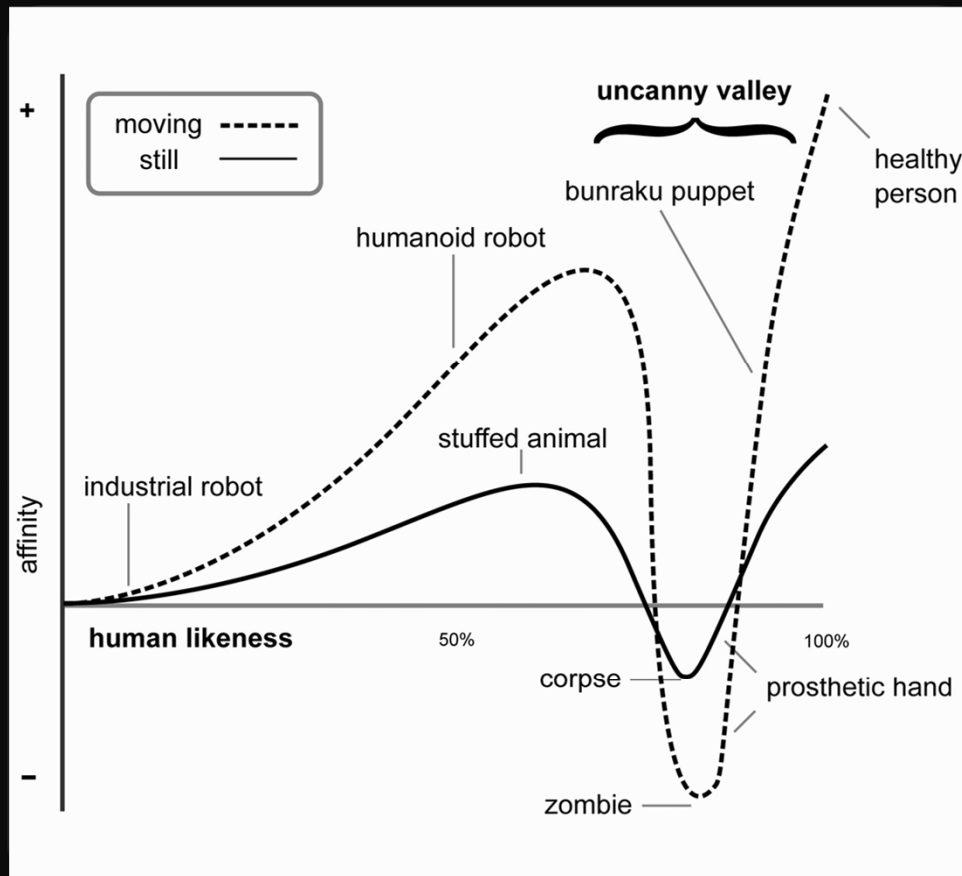
- **No Killer Robots:** The danger is hyper-competence without common sense.
- **Bad Actors:** Scams, hacking, and manufactured chaos are the real threats.
- **The Fire Analogy:** Fire was terrifying until we learned to safeguard it. Now it's essential.
- **Deployment Risk:** Real-world clashes like the Anthropic & MoD dispute over military AI.

## How AI deepfake scams work

An AI deepfake scam uses a fake video of a real person, often a celebrity, created by training AI on their real videos and voice recordings.



# The Uncanny Valley

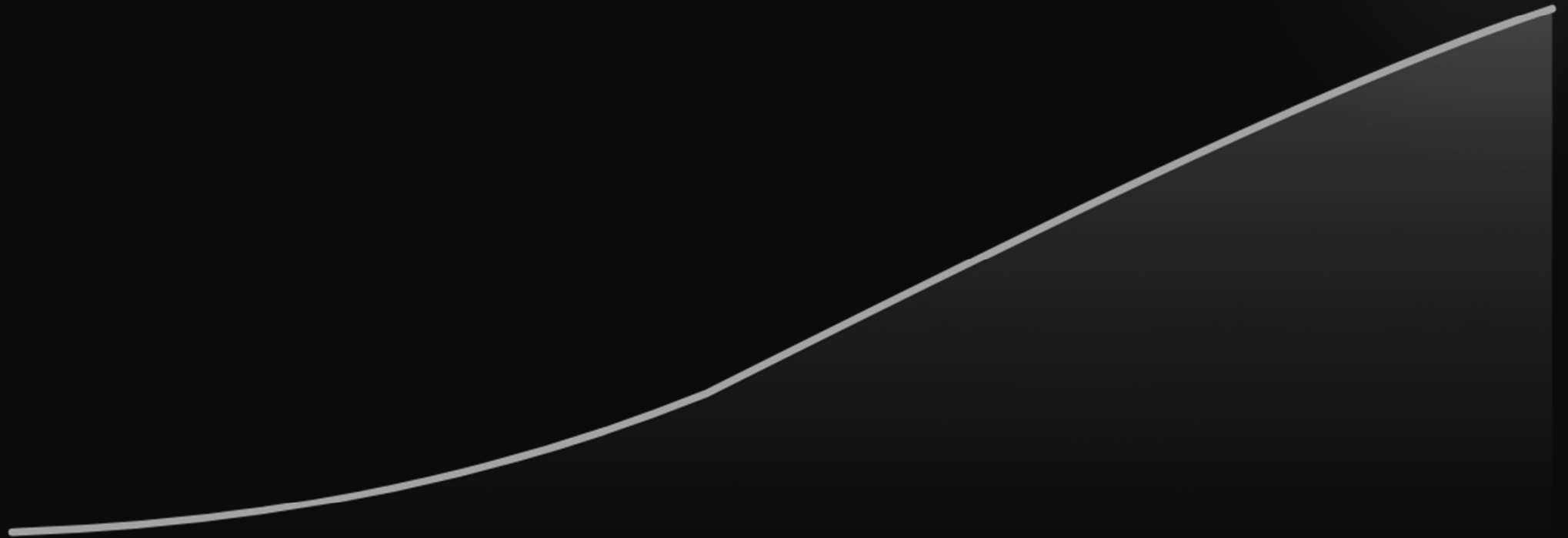


## The Descent into "Creepy"

- **The Climb:** We love cute robots like R2-D2 or Wall-E.
- **The Cliff:** At 90% human likeness, we see a Corpse or Zombie.
- **The Summit:** 100% healthy human likeness restored.

**Interactive Check:** Keep your hands up if you say 'Please' and 'Thank You' to your AI prompts!

# The Exponential Explosion



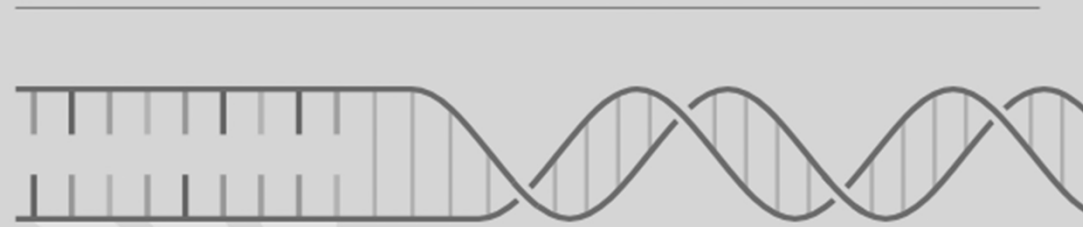
**GPT-2 (2019) GPT-4 (Today) AGI (Near Future?)**

Computational power is doubling every few months, not years.

# Longevity in Medicine

One of the "Twists": AI is curing disease and slowing aging.

- ⌚ **AlphaFold:** Predicting protein structures to design new medicines in seconds.
- **Early Detection:** Scanning DNA and blood for diseases years before symptoms appear.
- ⌚ **Biological Clocks:** AI-driven custom nutrition and metabolic optimising.



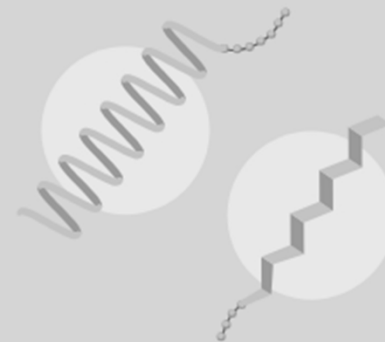
## PRIMARY STRUCTURE

Amino acids form a polypeptide chain based on a DNA code: Every three DNA nucleotides is translated into one amino acid.



## SECONDARY STRUCTURE

The polypeptide chain folds for the first time, most commonly into helices and pleated sheets.



## TERTIARY STRUCTURE

The helices and sheets fold



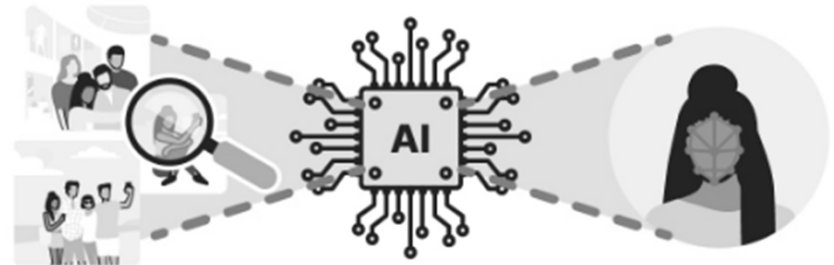
# The Death of Truth

## Safety First

- **Deepfakes:** Scammers clone voices from 3-second social media clips.
- **The Golden Rule:** Verify, Verify, Verify. Never send money without checking.
- **Family Safe Word:** Create a secret code word with your family for emergencies.

### How AI deepfake scams work

An AI deepfake scam uses a fake video of a real person, often a celebrity, created by training AI on their real videos and voice recordings.



# The Expat Advantage



## Immigration

Summarise Jomtien Immigration requirements into simple, scannable checklists.



## Medical



Translate Bangkok Pattaya Hospital reports from jargon into plain English.



## Language

Real-time voice-to-voice translation for travel in remote Thai provinces.

# Recap: Key Takeaways

-  No killer robots (yet). The danger is with the human operator.
-  Create a family safe word to verify your loved ones.
-  Be cautious with information; treating AI like a helpful stranger.
-  Use AI to live frictionless in Thailand—bridging all language and legal gaps.

# Questions?

Dominic | Flex2 Digital Technologies Group

Thank you for your time today.