ASKBEEVS

AI LEARNING SERIES

A perspective on the future of work, power and agency.

TIM BEEVOR

Lesson #1
Why we should care about AI

I’m here to tell you

We’re not being told the whole story on AI

AI is the fastest growing technology in history

ChatGPT alone has 800M weekly users

Its capability is doubling every 7 months

Australian businesses are absolutely not keeping up

Government cant keep up.
Regulators cant keep up.

If you think I'm wrong.

Name a single genAI powered app in Government or Industry in Australia.

The AI industry is not publishing a forward roadmap , yet multiple companies are dropping ‘like features’ together in unison.

I say its orchestrated and deliberate

What you WILL have heard about in the media is Ethics

10 million times

Government, academia and corporate leaders think they can control it

I think they're naive.

& it'd be hilarious if it wasn't so serious

Let’s just stand back and consider what’s really going on in the real world

We've been told to save electricity for 20 years. 😂

AI just blew that to smitherines!

414TWh

Global data centre consumption in 2024

945 TWh

Projected energy consumption by 2030 (> Japan)

128%

increase in power demand

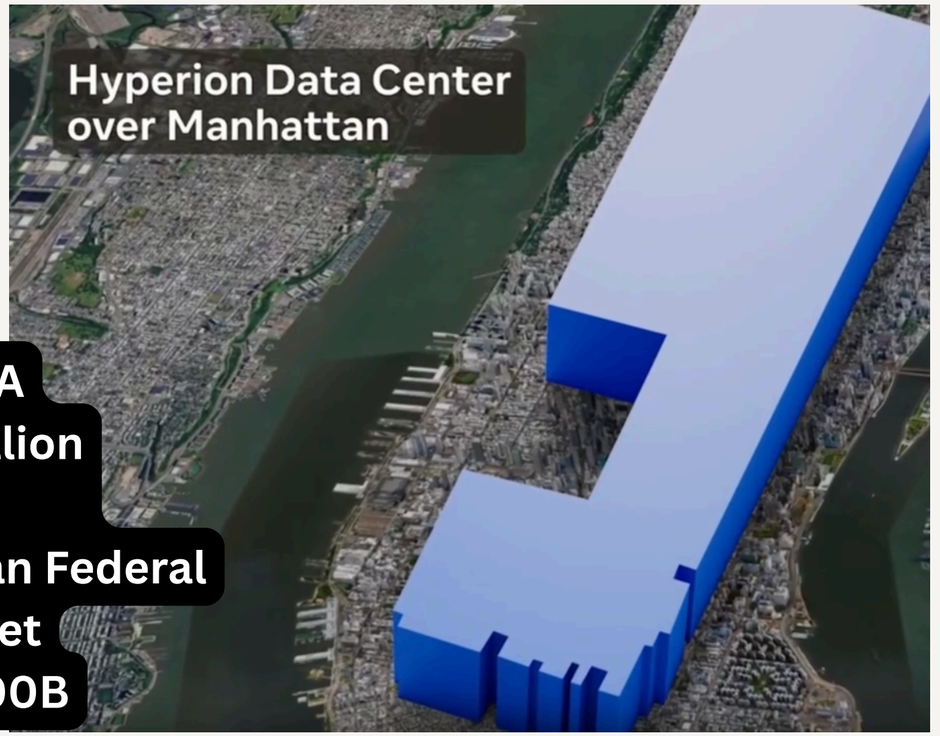
Half of all energy use in the United States will be data centre compute by 2030

AI data centre investment just exceeded all corporate real estate investment in the United States

Capital is flowing into AI like crazy!

PROJECTS ARE GINORMOUS

StarGate 3 - 300 Billion



META
600 Billion

The Australian Federal Budget
Is ~$700B

XAI Collosus 3 > 200,000 NVIDIA GPUS 1GW Power

The Ukraine war was probably started to slow down our AI ambitions

Neon gas

70%

of the worlds Neon Gas was manufactured in Maripol Ukraine

Semi conductor

90%

Semi-conductor grade neon gas for US chip industry

Requirements

85%

Of chips require neon gas for lithography lasers.

Ingas (Mariupol) and Cryoin (Odessa) – supplied critical materials to the chip making industry

The west has been busily hobbling China's AI abilities

They implemented harsh export controls in 2024

- 24 types of semiconductor manufacturing equipment banned in China
- 3 types of software development tools banned in China
- All high bandwidth memory chips banned
- 140 companies banned from sales to the west
- All quantum computing knowledge transfer banned

China is responding in kind

China is limiting access to rare earth minerals

- **April 2025:** Export controls on 7 rare earth elements
- **October 2025:** Added 5 more elements (12 in total)
- **Foreign Direct Product Rule:** First time China used this US mechanism
- **Market dominance:** 60% mining, 91% separation/refining, 94% permanent magnets
- **Price impact:** Dysprosium, Terbium +54% in 2024

Starting Dec 1, 2025: Companies affiliated with foreign militaries largely denied export licences

AI is critical to our physical security

AI is critical to our intel agencies

- Defense contracts across US, UK, and allied nations
- AI powered intelligence analysis
- Battlefield decision making is now powered by AI
- They’re integrating AI into multiple military data sources

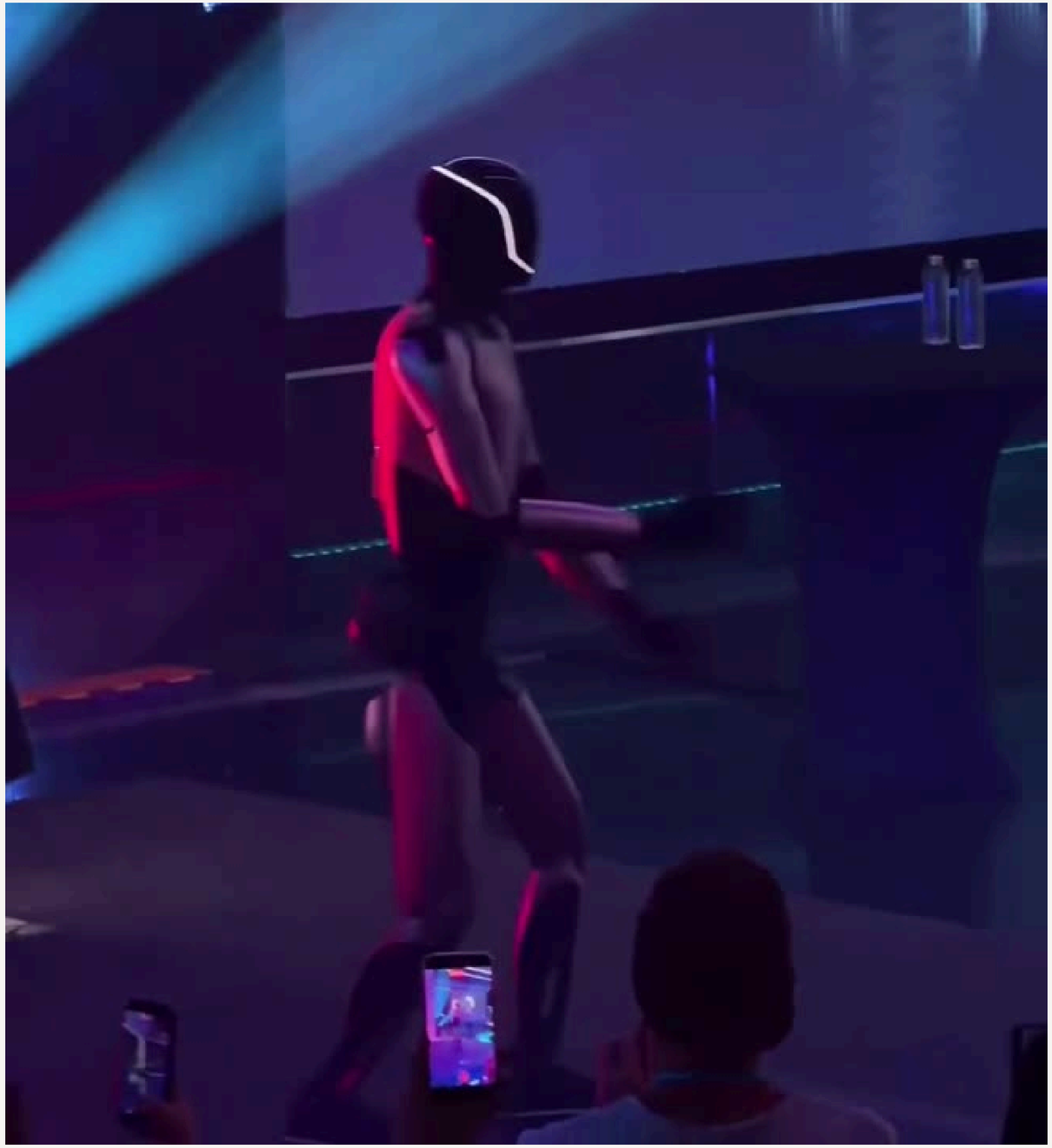
AI is now essential infrastructure for national security.

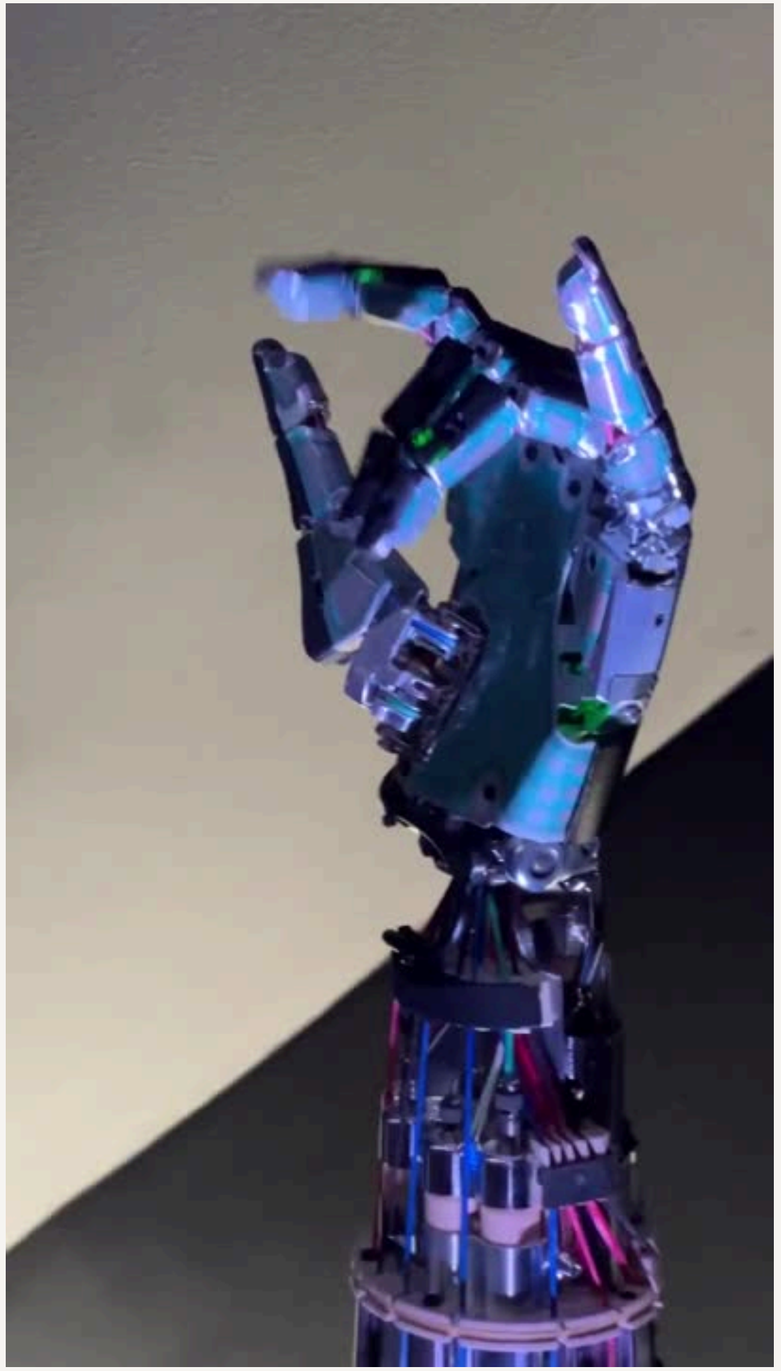
Just consider Elon this week...

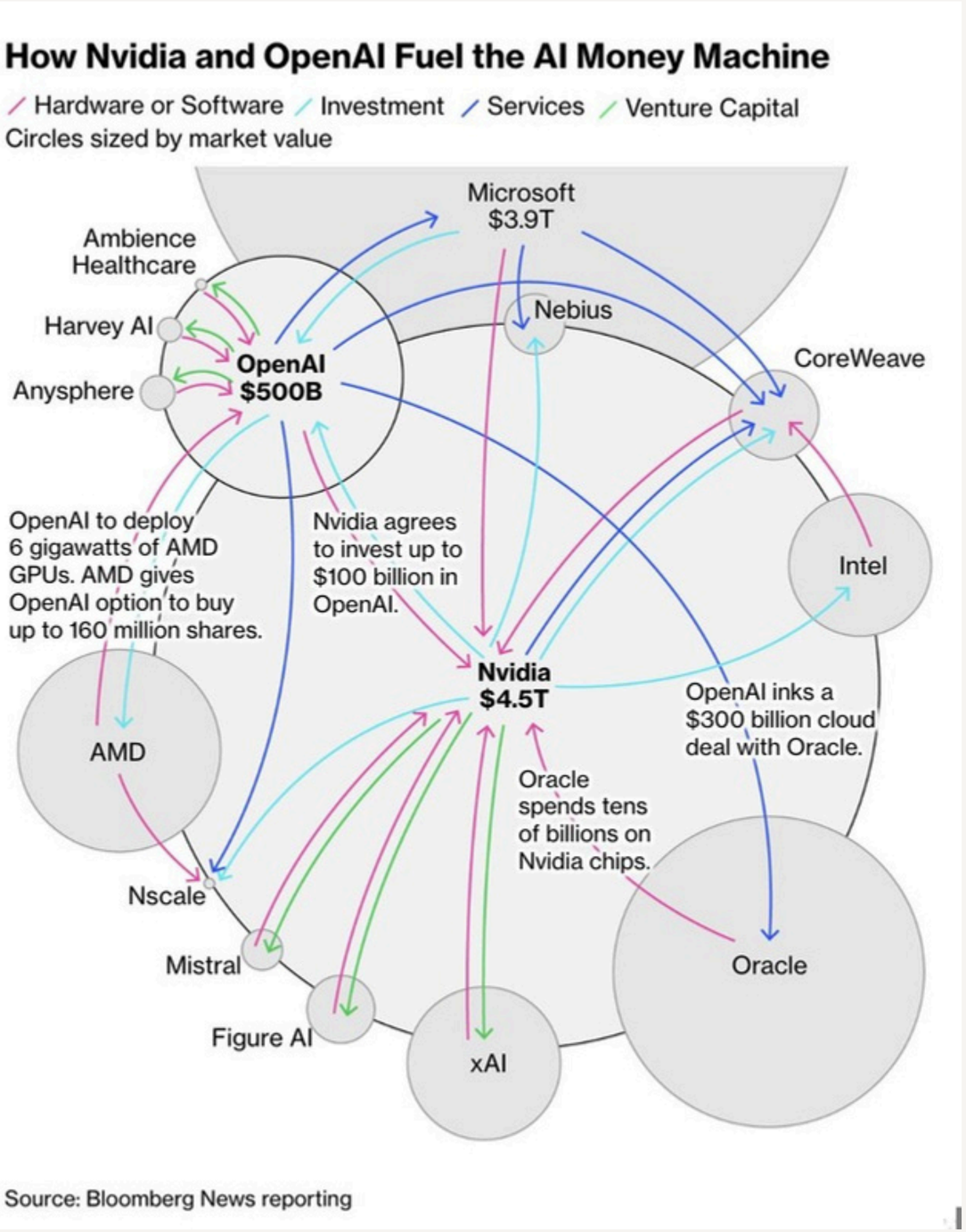
- Tesla is building a chip factory bigger than all the car factories and giga factories combined.
- Target is for AI chips made in America costing 1/10 of NVIDIAs chips made in Taiwan.
- For optimus - $20,000 unit production cost in 2025 with 1M units is the goal. 10M shortly after.
- This could mean human level surgery with a $20,000 robot.
- They're also talking about building 1 robo taxi every minute.
- And 1 Starship per day.

"it wont seem like a robot. It'll seem like a person in a robot suit... so real you'll need to poke it to believe its not a robot"

- Elon Musk







OpenAI, Nvidia fuel $1tn AI market w/web of circular deals.

This is an enormous part of the growth in the stock market in the last couple of years. It's consuming capital from every part of the economy.

It's probably increasing the cost of your mortgage.

Is it a bubble?

Or too big to fail?

Let’s unpack how we should
Think about AI

I want you to think about AI like a Rubik's Cube

- Literature and Writing
- Languages and Linguistics
- Physical Sciences and Mathematics
- Life Sciences and Medicine
- Technology and Programming
- Philosophy and Ethics

- Psychology and Social Sciences
- Business and Economics
- History and Geography
- Arts and Culture
- Current Events and News
- Practical Skills and How-to

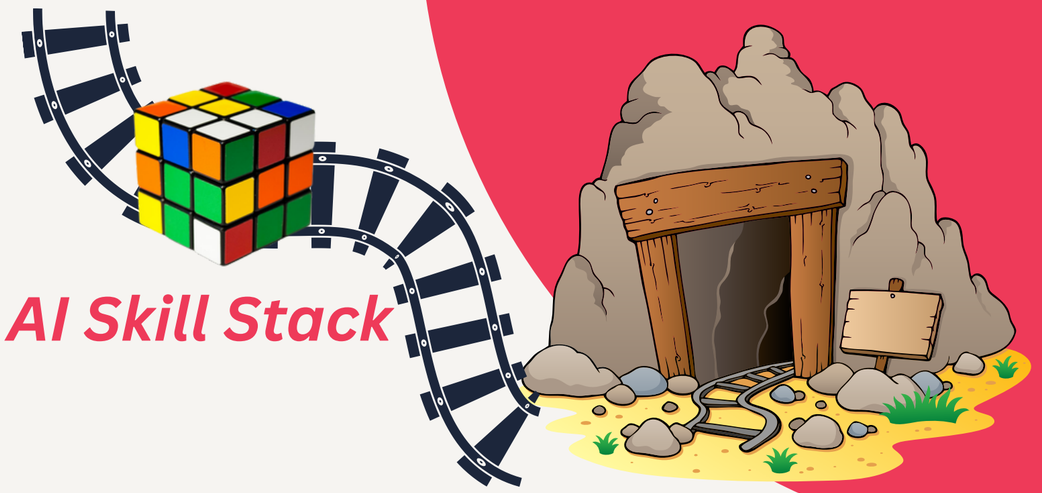

All of knowledge

This is what you know

So the goal here is to figure out how to best mine the knowledge to our own agency and benefit

The goal

You



AI Skill Stack

If this is all of knowledge

The ChatGPT moment started it all

But I don’t think it was what it appeared to be

- ChatGPT was a data capture project – not a product.
- They provided you with ‘statistical weights’ in the form of a prompt.
- What they got back was the human intereaction data.

You were the product!

- **They wanted the conversational interactions from 400 million people!**

That’s probably mostly what’s driving the models now. Not the input literature.

If you don’t pay for AI it’s learning from your conversations.

All the smart people ‘poo poo’d’ the LLM

- It hallucinated.
- It did not have real time data.
- It was limited in what it could and could not do.

They are all a design feature to get you to teach it what went wrong.

LOL.

You complain about the hallucination.
You give it the current data to solve your problem.
It won’t accept topics and behaviours it doesn’t want in it’s model parameters.

But the Experts didn’t even tell you about the real power

AI can access tools

- It can examine and apply software algorithms
- With that it can access APIs to access data
- It can serarch the internet
- It can compile, run and debug code
- It can define and chain logical together, to solve complex problems
- It can write ouputs to memory or databases for advanced memory.

Agents therefore can mimic real work.

Current public examples can work on problems continuously for 30 hours without getting lost.

The LLM is just the communication interface.

Example: Compound interest calculator

“Calculate how much interest you’ll earn on a $10k investment at 4.75% interest compounded daily’

AI just writes the python code

```
principal = 10000
annual_rate = 0.0475
compounding_frequency = 365

final_amount = principal * (1 + annual_rate / compounding_frequency)
** (compounding_frequency * time_years)
```

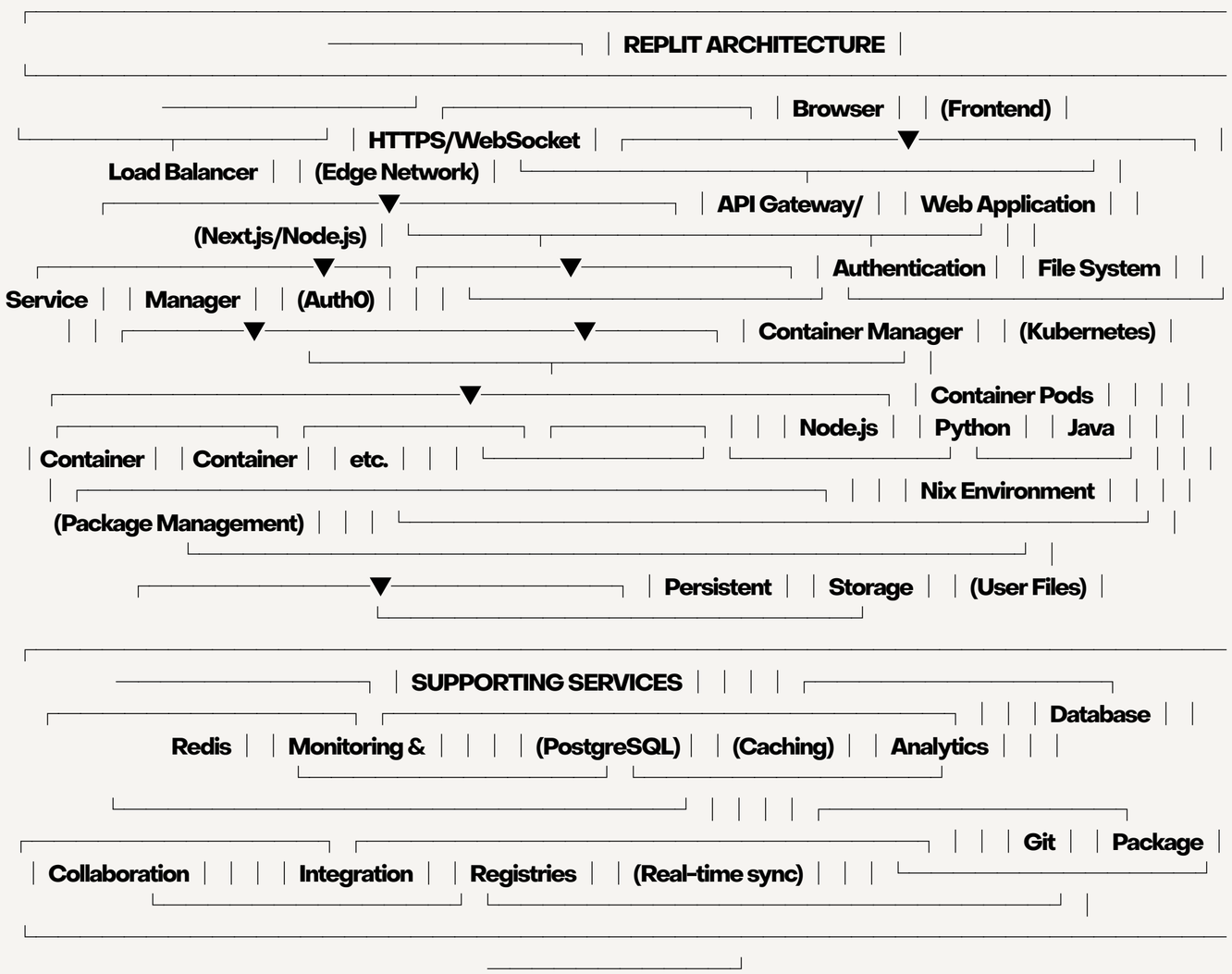
and it’ll teach you how to run the code if you ask it

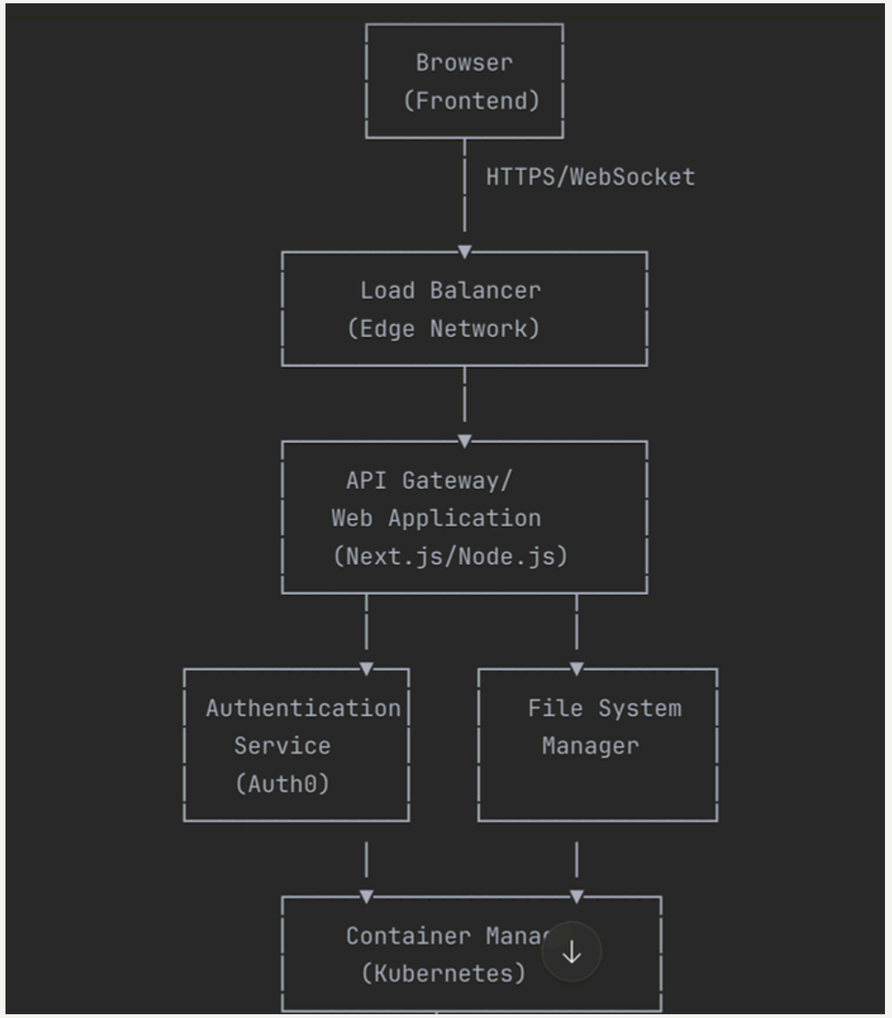
and AI can ‘control’ existing software too.

Some examples of utility you can now access

- Data analytics in Snowflake
- Mathematics in Wolfram Mathematica
- Custom agent building in the command line
- Cloud deployment of agents
- Video and image generation on demand
- Synthetic voices and sounds
- Presentation & design support
- Agentic coding & Agentic Work

AI can even architect software





Programmers hate AI

They'll say the code it produces is not production ready.

Which is kind of true. But – why do you need enterprise ready software if you just want to use it solve your own problem?

This technology can 10x or even 100x your capabilities.

Why it’s so important you learn this technology

The **Knowledge Era** is ending.

The **Agency Era** is beginning.

But it’s unclear who will control what.

Think about the impact of knowledge through the ages

- **Roman Empire:** infrastructure, centralised power, cultural dominance, importance of knowledge
- **Dark Ages:** we saw the decline of classical knowledge as continents warred.
- **Enlightenment:** the era of reason, scientific inquiry, and challenging traditional authority with rational thought.
- **Renaissance:** humanism, artistic achievement, belief in human potential.
- **Industrial Era:** obedient populations, centralised government institutions, all to support efficient mechanised production.

Can institutions designed for the industrial era survive the AI era?

Consider the challenges:

- We issue debt to create money
- We've leveraged that debt over and over
- We organise 'work' into limited professions with little agency
- We regulate the hell out of industry
- And we tax human labour.

Communism and capitalism are an argument over how to allocate capital to labour.

What happens if we invent an unlimited Labour Machine!?

Read Tesla's new motto ...

"We're accelerating the worlds transition to sustainable abundance'

Notice: its not 'sustainable energy' they're talking about now.

It's sustainable abundance.

Elon talks about an ‘infinite money glitch’

“With AI and robotics, the global economy could increase by a factor of 10 or 100, with no obvious limit. It is an infinite money glitch’

–Elon Musk

Wealth might become obsolete if AI surpasses human intelligence.

And its programmatic:

Electricity = Compute

Compute = Tokens

Tokens = Work

Work = Money

Therefore Electricity = Money

We named the unit of AI measure – a TOKEN!

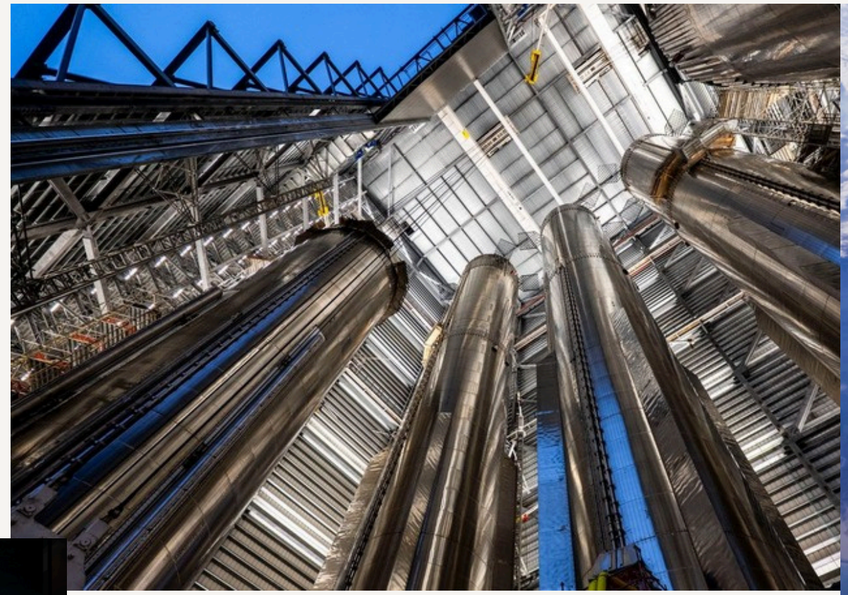
But there’s an awkward problem for western governments:

- China has almost unlimited power, can make things, but has no chips.
- America has chips with not enough manufacturing, and not enough power.

Australia has Net Zero.

Which is code for no Power, no manufacturing and no Chips. LOL 

Elon has a plan for 100GW of power in space per year for AI datacentres - OFF PLANET!



“The ultimate goal is to manufacture a Starship every single day’

"Starship could deliver 100GW/year to high Earth orbit within 4 to 5 years if we can solve the other parts of the equation.’

“100TW/year is possible from a lunar base producing solar-powered AI satellites locally and accelerating them to escape velocity with a mass driver."

"Given that far more electricity is accessible on a distributed vs centralised basis, AI edge compute on Earth’s surface will probably be >90%.

NBN will be fine 😂

Think of the implications

We live in a debt based society, with historical debts.

If digital labour is cheaper than human labour – why would you invest in humans?

If Australia doesn't control the chips, or the models, what can it control?

AI is potentially enormously deflationary – as it lowers the cost of labour.

But will require massive new forms of liquidity to deliver the labour.

At best, all we have is rare earth minerals.

The truth:

I’m not worried about losing my job because AI augments my work – at my employer.

I’m worried that AI will just create entirely new delivery models across all industries – and you’re employer will just go broke.

How do you combat that?

What do you do for your kids?

and I think that’s where the big lie is

... think back to the focus on ethics....

what was the purpose of that?

It's almost like they wanted to put the Karens in charge.

Australia fell for it – hook line and sinker.

Putting ethicists in charge guarantees 0% progress.

That's the AI industry we're now building. 😂

Think about what AI can already do in Education:

- Skills and competencies mapped
- Ability to write sound curriculum
- Tools that can formulate, ask and answer questions
- Ability to write lesson plans
- Ability to respond to kids in 1:1 personalised ways
- Ability to service the customer

My predictions:

- Teachers will turn more into social coaches.
- You'll witness the rise of super students.
- The sector won't be able to keep up and it'll collapse in favour of new models.

the next 15 years are going to be a cluster F

society will fracture into 4 groups

1. The **Leaders of Humans (bureaucrats/ Politicans)** – They will use it to try and take on even more power
2. Most people will become **UBI peasants.** They might have jobs but most of the work will be done by machines.
3. The **Technocrats** will maintain the AI products and services.
4. And you'll see the rise of the **Free Agents**
    - Folks that offer niche skills and human values that cannot be automated at economic scale.
        - and this will be a sizable proportion of the economy.

    Really big organisations that employ a lot of people in hierarchy style workforces will probably be destroyed one at a time over time.

The biggest nightmare would be if an authoritarian took it over

...but it wont happen
why?

Human Bureacrats won't control the means of production and are easily replaced

Bureaucrats cant control the technology because they're incapable of doing it.

The best employment opportunities for your kids will be

1) work that moves atoms around
2) products and services that augment value creation
3) people that entertain UBI folks

Don’t trust institutions!

Teach them to be maximally useful to society!

Don’t assume bureaucrats or industry will make the pivot, or help you make the pivot.

I would actually assume they’re going to try and stop your kids building agency. Not maliciously - just as they cling to power.

The next 15 years is not going to be great.

You'll watch stupid bureaucrats try to control a new economy they don't understand.

Lots of things will break at the same time.

So I'd buckle up.

control... always starts with kids...

- < 16 year old just got banned off social media.
- Digital ID will be a thing.
- They'll start to regulate everything.
- They're even talking about regulating academic tutoring!
- They'll limit your kids access to computers at school. They've already started doing that (90 mins a day)

All are control mechanisms to ensure people don't learn the skills of the future.

They do understand what's going on, but they're not telling you.

Government will not teach you AI.

School won’t either.

But fortunately, we have the technocrats.

They’re rolling out consumer grade, accessible and affordable AI.

& the technocrats want you to learn it.

It’s going to be a wierd conundrum!

So no matter who you are!

Get good at AI!

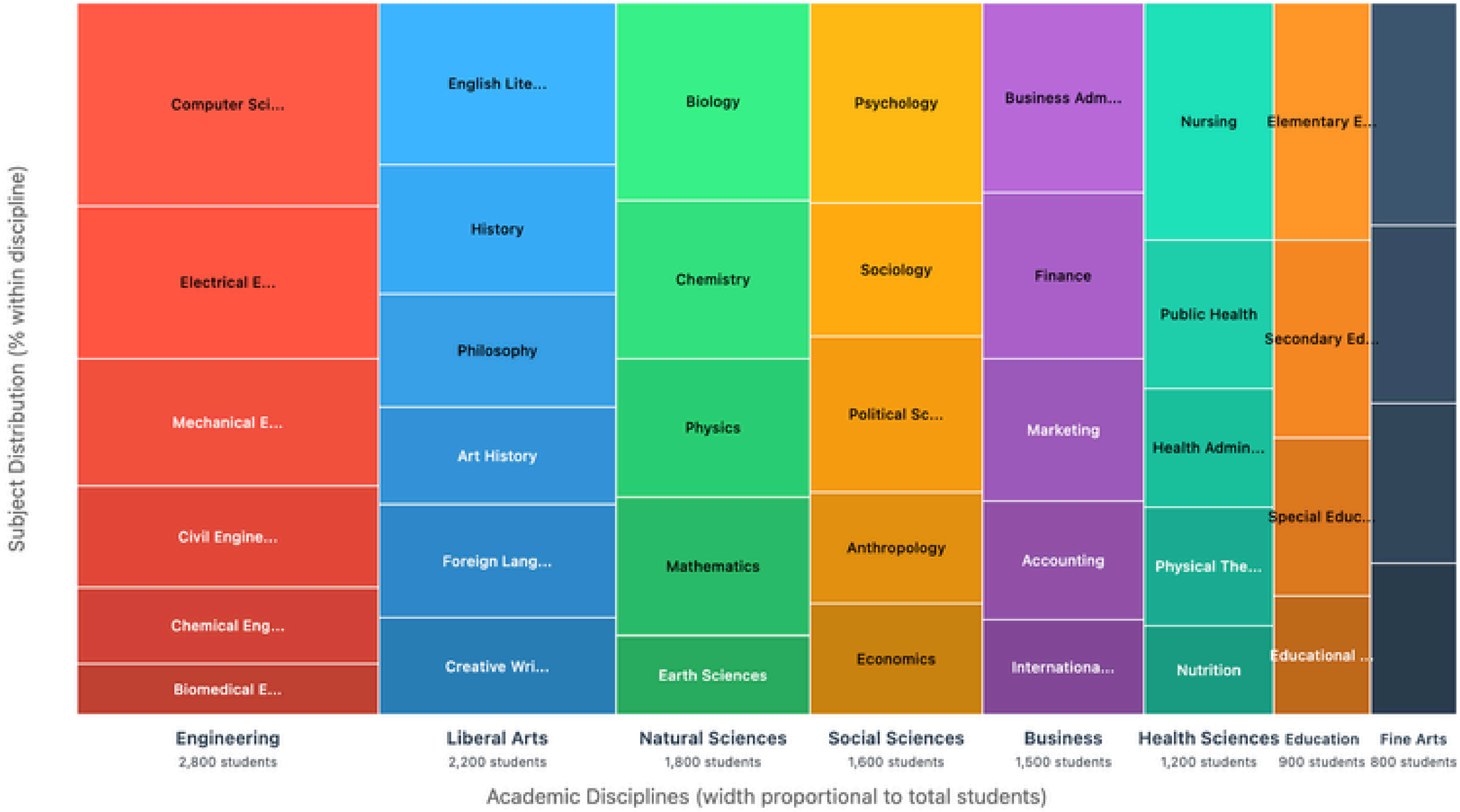
It’s going to be a superpower.

What are the key skills?

- Identify problems to solve that unlock value
- Find and ask the right questions
- Code and manipulate the models (to get control of agency)
- Understand what AI models can do reliably
- Improve your domain expertise across more disciplines
- Try things, iterate and test – and cycle your creations till you win;
- Communicate, market and extract value from what you create.

You’ll be a unicorn if you master them all.

But we’re hard wired to pigeon hole ourselves.



You’ve always been told where to sit!

You’ve always been assigned a role.

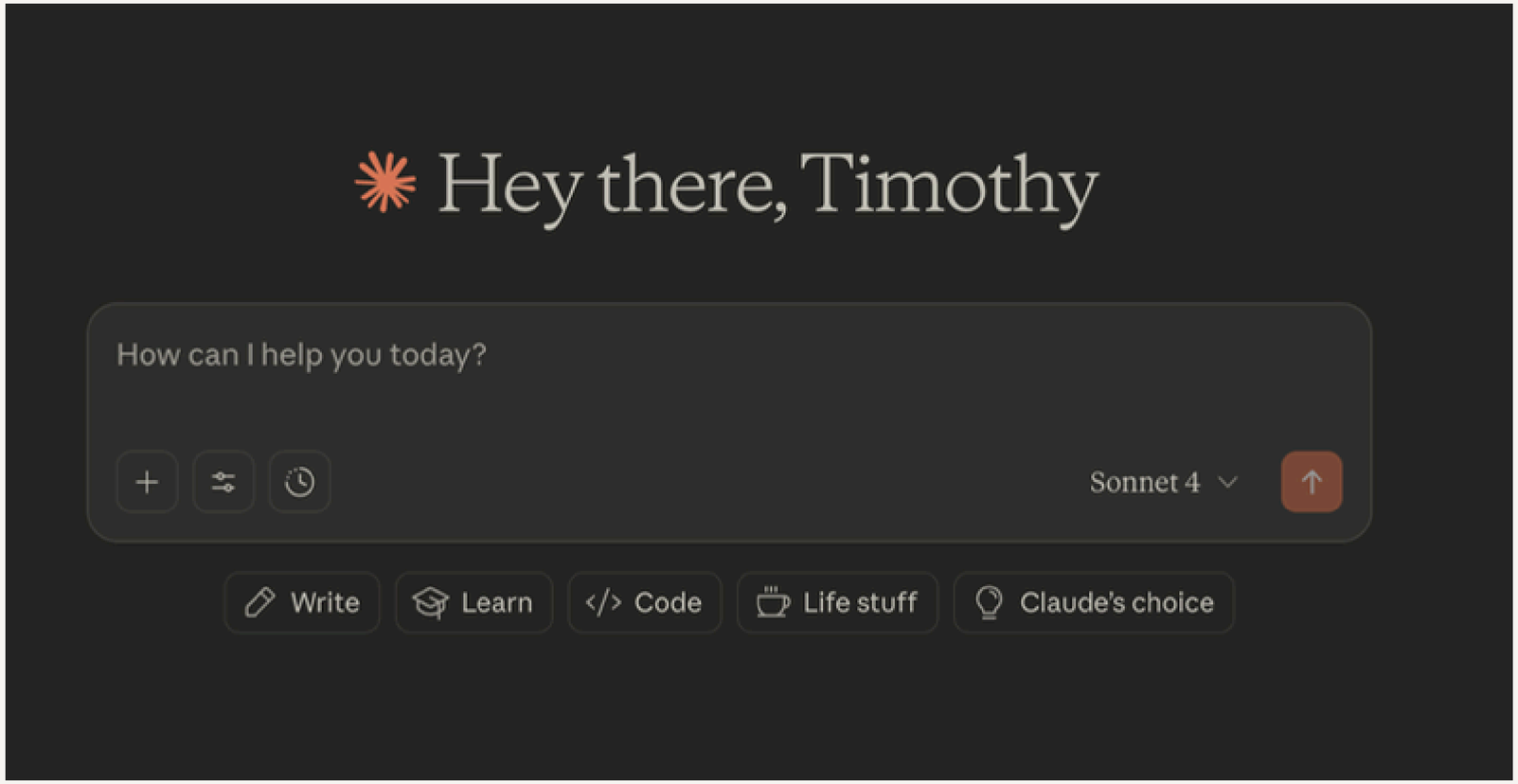
And think about how many jobs your NOT allowed to do unless the Government says you can.

It’s wild actually.

But there’s a lot you can do.

Focus on that instead.

I want you to sit back and think – what could I do with this.



No one has told you. This is probably the biggest opportunity in the history of the world. Unlimited knowledge.
And Australia is talking about Ethics and Data Privacy. LOL

Already a lot of kids dont want to use it because it’s seen as unethical and uses electricity.

They’ve conditioned the UBI peasants already

so what’s my goal and why am I doing this

Help people build their own agency.

Let individuals shape the new society.

Extend the middle finger to the inevitable bureaucrat led failure.

So my kids can have some success.

If I situate myself near the innovation curve, I know it’ll spawn unlimited opportunities.

Now let’s talk about the way we’re going to learn AI

Start with the basic technical principles.

Learn them by applying them.

Experiment and iterate together.

Network and help each other.

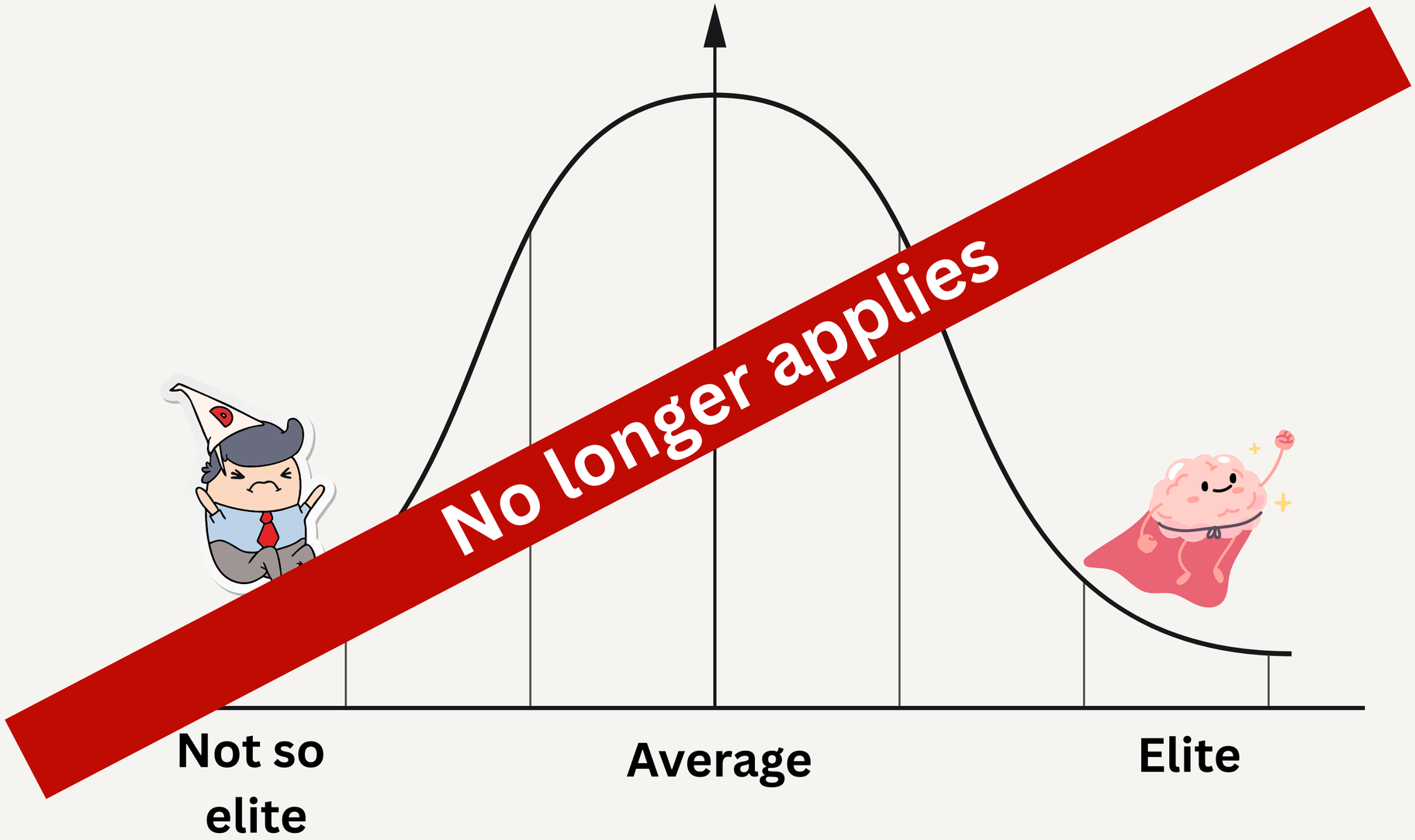
Share our successes + use the tech to scale it.

The idea here is to build an abundant skill stack.

Habits of success:

- Don’t be intimidated by AI.
- No problem cannot be solved.
- Approach problems from first principles.
- Break things into managable steps.
- Take care when designing prompts.
- Let AI fill gaps in your capability.
- Be prepared to fail.
- Iteration leads to exponential gains quickly.
- Constantly seek feedback.

Forget the standardised bell curve!



Now lets talk tools.

You dont need to be a multi-national company to access absolutely world class AI capabilities.

Even the free tools are wildly powerful.

Ideally however, it’s nice to have at least 1 pro tool.

I’d start with a free Gmail.

Use it just for your AI, and use it to single sign on to your apps.

Then start to shop for some AI tools

The major consumer tools:

Claude BY ANTHROP\C

Grok

tier 1

Gemini

OpenAI

Perplexity

Meta Llama

tier 2

tier china

deepseek

Qwen

tier Europe

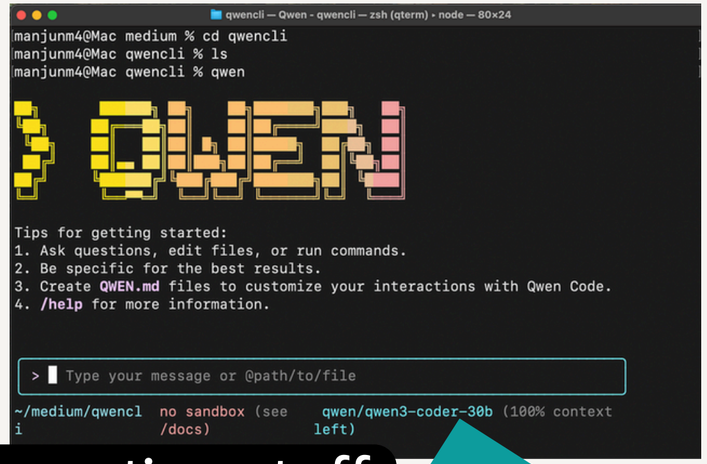
employer tier

MS CoPilot

You want to pick a CLI tool and there are options

If I want quality

If I want free



Subvertive stuff

Codex CLI

Never used.

There are largely free options here, and paid

I want you to think carefully about the ‘cost’ of AI tools.

If you spend 40 hours a week on a problem in a week for $2,000 of income.

And AI can solve that problem for $4.

Do you want to sit there for 40 hours and not pay the $4?

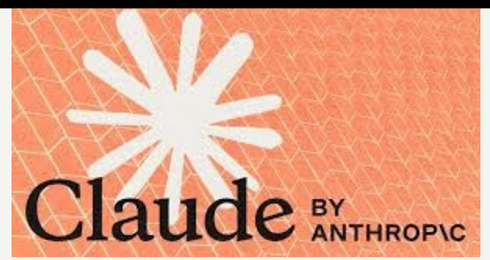
Think about it.

And if you dont spend the $4. How long do you think you’ll compete against an employee that invests the $4.

And your company is as yet too stupid to realise this economic equation because of ‘ethics’.

Pick which API you want to use

Occassionally I'll use Claude



Most expensive and best

Grok

cheaper and more powerful

For API use – I mostly use Gemini

cheapest competent

Occasional use

and OpenAI

Pick a vibe coding platform

my favourite

Lovable

replit

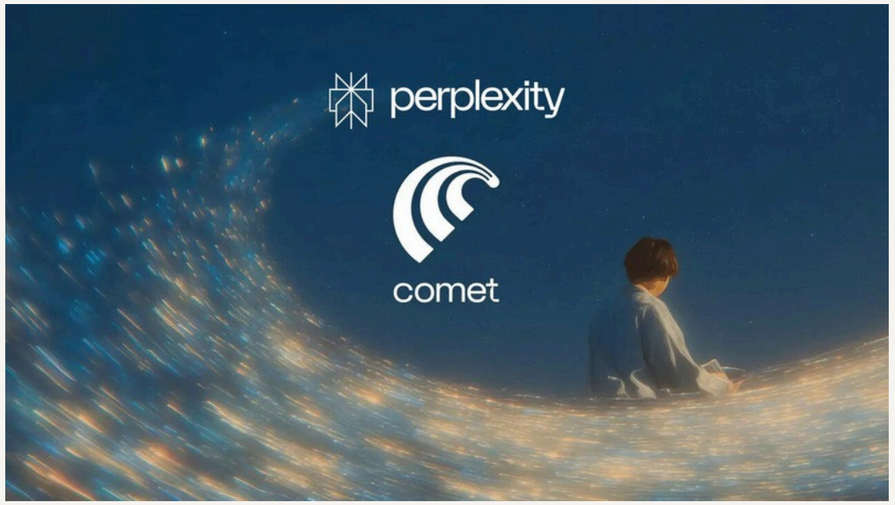
CURSOR

Windsurf

More for consumers

More hardcore for developers

Other tools I play with



Napkin

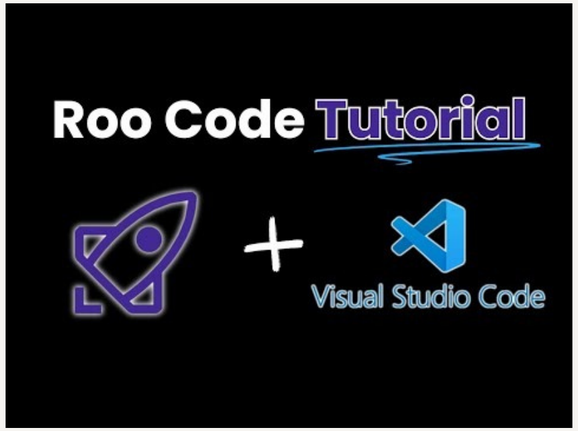
Lutra

TRAE

Gamma AI

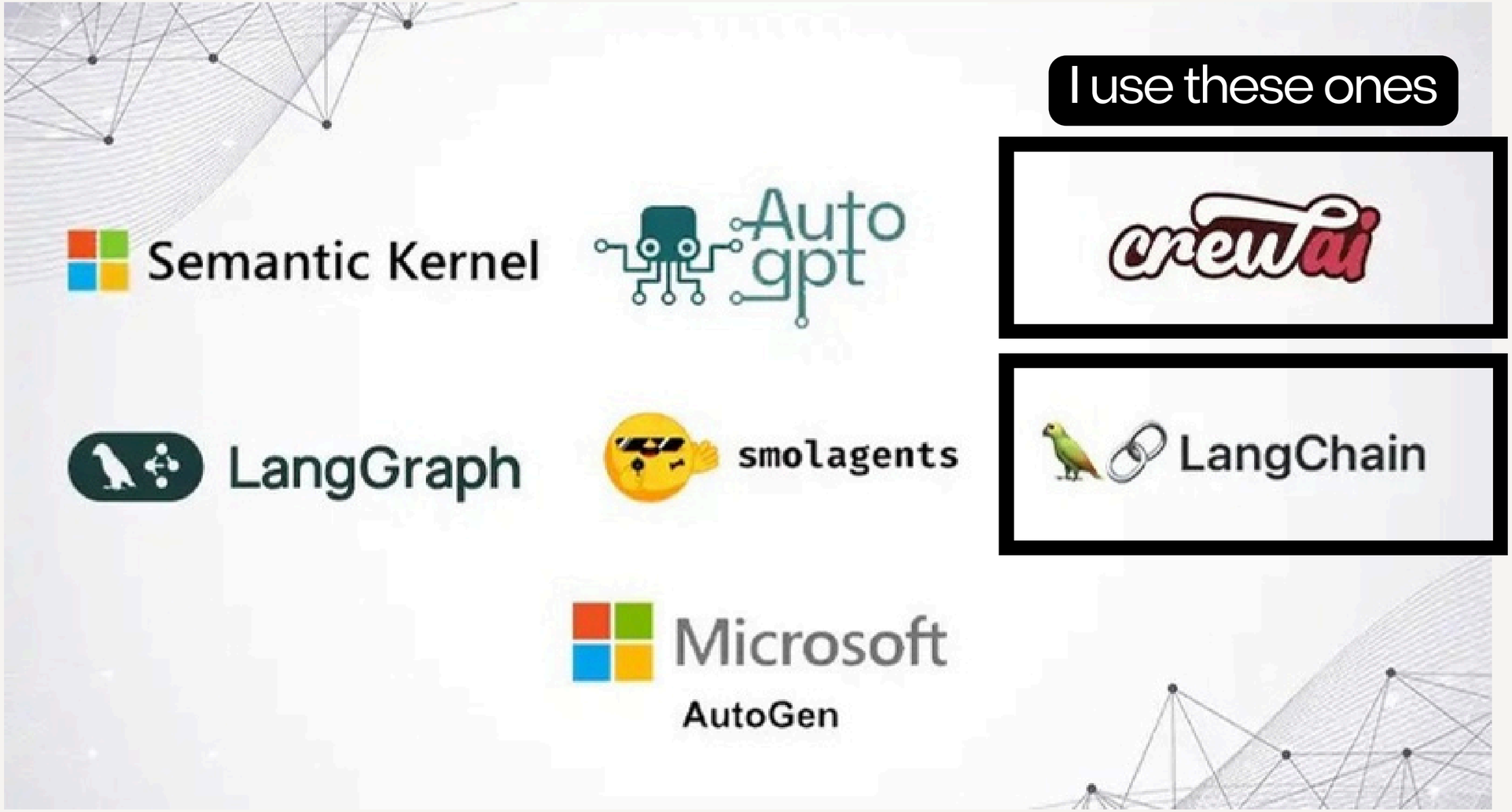
NotebookLM

Vercept



Canva

and be aware of agent frameworks



Solving a simple problem

(if we have time)

Warm up demo

1. Research the latest AI tools
2. Write a report based on that research
3. Persuade our parents to buy us one of the AI tools for Christmas

Now … what’s next

Next lessons to build up a base level of competence

1. Prompt engineering
2. Agent building
3. Vibe coding

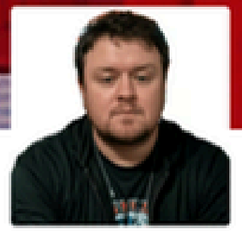
Through consumer, CLI, and pure API app building. **We learn by DOING!**

Then we’re going to learn by applied example

1. Help with formal education
2. Be a new form of education
3. Help you start a business
4. Fix an existing business
5. Teach others or your kids
6. For a volunteer organisation
7. Or for hobbies.

We will learn by doing

And I'll also teach you how to use the AskBeevs stack



Think of this as the competency cheat sheet to fill in the domain gaps:

https://askbeevs.com

This is also where I'll post examples and the presentations

AskBeevs

"Stack of Stuff" by AskBeevs.

AskBeevs.com is designed to help you build Agency in the AI era.

START

Welcome

CHAPTERS

(Read these as a high level view of what is detailed in each section)

[1] SOCIETY

[2] BEHAVIOUR

[3] PERSUASION

[4] ARTIFICIAL INTELLIGENCE

I need your feedback!

1. Some of you want the basics.
2. Some of you will want to be entreprenuers.
3. Some of you will want to be better at work.
4. Some of you won’t have a clue.

I’ll try to balance all the needs.

My *100% aim is to help you get better at AI.*

There’s no funnel. No costs.

Next week – practicals. Less theory.