

Raising Children



Who Outthink the Machines



Zain Fathoni

Senior Software Engineer at BookThatApp



youtube.com/rizafahmi @rizafahmi22 · 23h



...

Vibe standup banget kan ya. Entah standup comedy atau standup meeting



#IDS2025



IDS2025 with SerpApi

1

1

27

1.1K

2



Zain Fathoni

@zainfathoni



Show translation

Mari kita lihat besok pas saya open mic. Kalau lucu berarti standup comedy. Kalau ga lucu berarti standup meeting.

10:24 AM · Nov 22, 2025 · 292 Views

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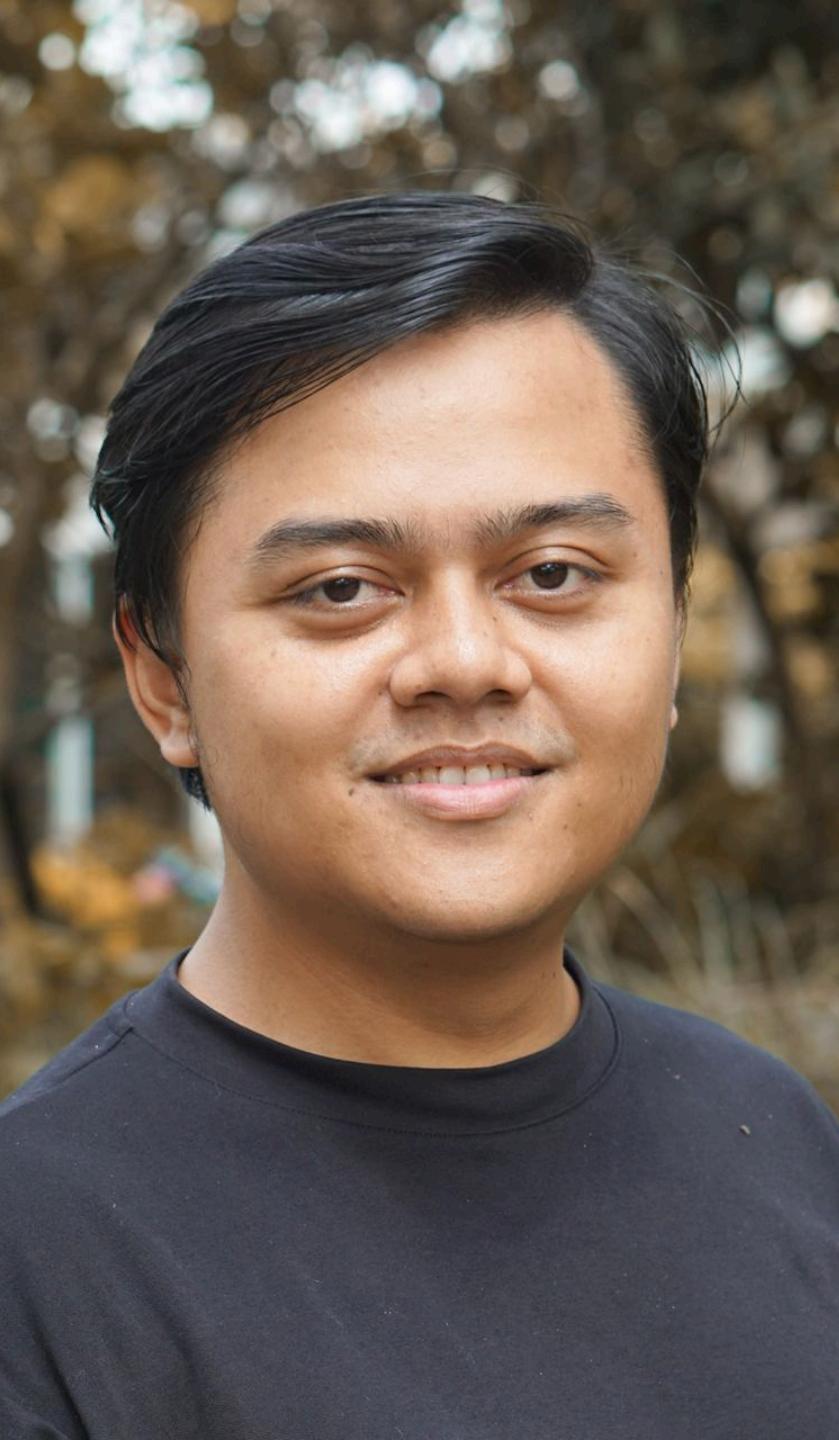


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👋 Introduction

<https://www.zainfathoni.com>

- Parent of three
- Homeschooling family
- Backend → Manager → Frontend → Fullstack
- Jember → Bandung → SG → Jogja
- Jogja → KL → SG → Jakarta





Quick Survey

- Are you worried machines might take **your** jobs?
- Anyone here **raising children**?
- Are you worried machines might take **your kids' jobs**?

AI Dilemma ⚖️: Dystopia 🤖 or Utopia 🌎?

There are two schools of thought about AI's future:

- **Dystopian:** AI will take over humanity
- **Utopian:** Humanity will survive and thrive



Bloomberg
Economy

Bloomberg
New Economy
Forum

Bloomberg
Economy

Bloomberg

**JOKOWI BARU SAJA
MENGIRIM SINYAL BESAR:
REVOLUSI AI & ROBOT
HUMANOID BAKAL
'MELEDAK' DALAM 5–15
TAHUN! INDONESIA SIAP
ATAU KETINGGALAN?**





The Path to Utopia

“ The utopian future is possible—but only if we raise resilient children. ”

Human resilience has evolved throughout history:

- TV era → we adapted
- Internet era → we adapted
- Smartphone era → we adapted

AI is the next chapter. But it requires something different from us.

Republik Indonesia

dan #BINUSPedia AI

tvOne

KABAR MERAH PUTIH

GIBRAN SEBUT PELAJARAN AI
MASUK KURIKULUM SEKOLAH

What we do

Research and reports

Stories

Take action



Children and gadgets

Expert tips on how parents can prevent addiction to phones and tablets

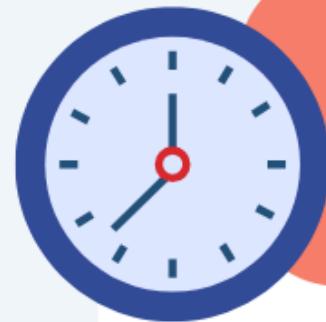
Gen Alpha: Digital Natives Facing AI

The Reality

Gen Alpha never knew life without screens—speech delays, attention spans, addiction are real.

But humanity adapted before. **We can adapt again.**

KIDS' SCREEN TIME MANAGEMENT



DOWN TIME: 8 PM - 11 AM

**NO SCREEN
PHYSICAL BOOK/KOBO/KINDLE ONLY**

***** ON SCHOOL DAYS, SCREEN TIME BEGINS AFTER 11 AM.
EVEN IF THE SCHOOL SESSION ENDS BEFORE 11 AM,
SCREEN TIME WILL STILL START AFTER 11 AM.*****

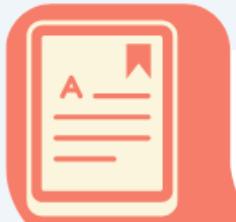
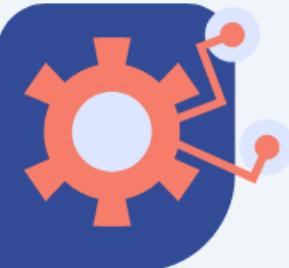




LEARNING TIME

BROWSING TIME: 1 HOUR

CODING, DRAWING, CRAFTING, COOKING
TUTORIAL, GARAGE BAND, ETC



EBOOK READING: 30 MINUTES

IPHONE / IPAD

EXERCISE: 30 MINUTES

MISS LINKY, YOGA FOR KIDS,
DANCE FOR KIDS



ENTERTAINMENT



WATCHING: 45 MINUTES

CUSTOMIZABLE



GAMING: 45 MINUTES

CUSTOMIZABLE



MESSAGE: 15 MINUTES



WHATSAPP: 15 MINUTES





The Pattern

Era	Problem	Response
TV	Attention-grabbing	Set limits + content
Internet	Information overload	Teach critical thinking
Smartphones	Addiction & distraction	Manage + model behavior
AI	Cognition theft	???

The pattern: Problem → Response → Resilience.

The question: What's our response to AI?



Tri Ahmad Irfan [in](#) • 1st

Co-founder & CTO of Assemblr | Canva for 3D AR | Forbes 30 under 30

1mo •

...

The 4 stages of outsourcing your brain to AI:

Stage 1: "Just the highlights"

You start using AI summaries to save time.

Stage 2: Cognitive atrophy

Reading anything over 5 pages feels unbearable. Your brain literally hurts processing complexity.

Stage 3: Complete dependency

Can't read emails, reports, or articles without AI pre-digesting them first.

Stage 4: Hive-mind

Everyone consuming the same AI-summarized reality. Everyone missing the same "irrelevant" details. Everyone thinking the same thoughts.

1 Digital & AI Literacy

Literacy Starts with Intent

AI to skip thinking → cognitive atrophy

AI to understand better → real learning

Literacy = knowing the difference.



Know Your Tools: Learning Tools, Not Answer Machines

Old way:

Student → Textbook → Confusion → Give up

With AI used correctly:

Student → Ask AI → **Understand better** → Try again → **Own the learning**

This is literacy: Understanding how tools should be used.



Tools Designed for Learning

ChatGPT Study Mode and **Claude Learning Mode** are built for this:

- AI explains concepts multiple ways
- Guides learning, doesn't provide answers
- Students work at their own pace
- Designed to support, not replace, thinking

→ **Being literate means knowing these tools exist and how they work.**

2 Critical Thinking

Critical Thinking Matters Most

Not just knowing **what** is right, but **why**.

Can your child:

- Challenge the answer?
- Detect hidden assumptions?
- Ask a better question?

→ **This is what sets them apart from machines.**

Teach the "Test the AI" Habit

1. Ask AI a question
2. **Stop and think:** Does this feel right?
3. Ask a follow-up: "What if you're wrong?"
4. Cross-check with another source
5. Form your own conclusion

→ **AI becomes a hypothesis generator, not a judge.**

3 Communication & Collaboration

! The AI Delusion Problem

AI is **confident even when wrong.**

Your child reads: "The capital of Indonesia is Surabaya" (wrong—it's Jakarta). They believed it.

You can't avoid this. But parents can guide them.



AI Should Strengthen Family Bonds

Wrong: Kid uses AI alone → Parent unaware → Wrong answers believed

Right: Family asks AI together → Parent evaluates → Learn side-by-side

→ **Human connection + critical thinking together.**



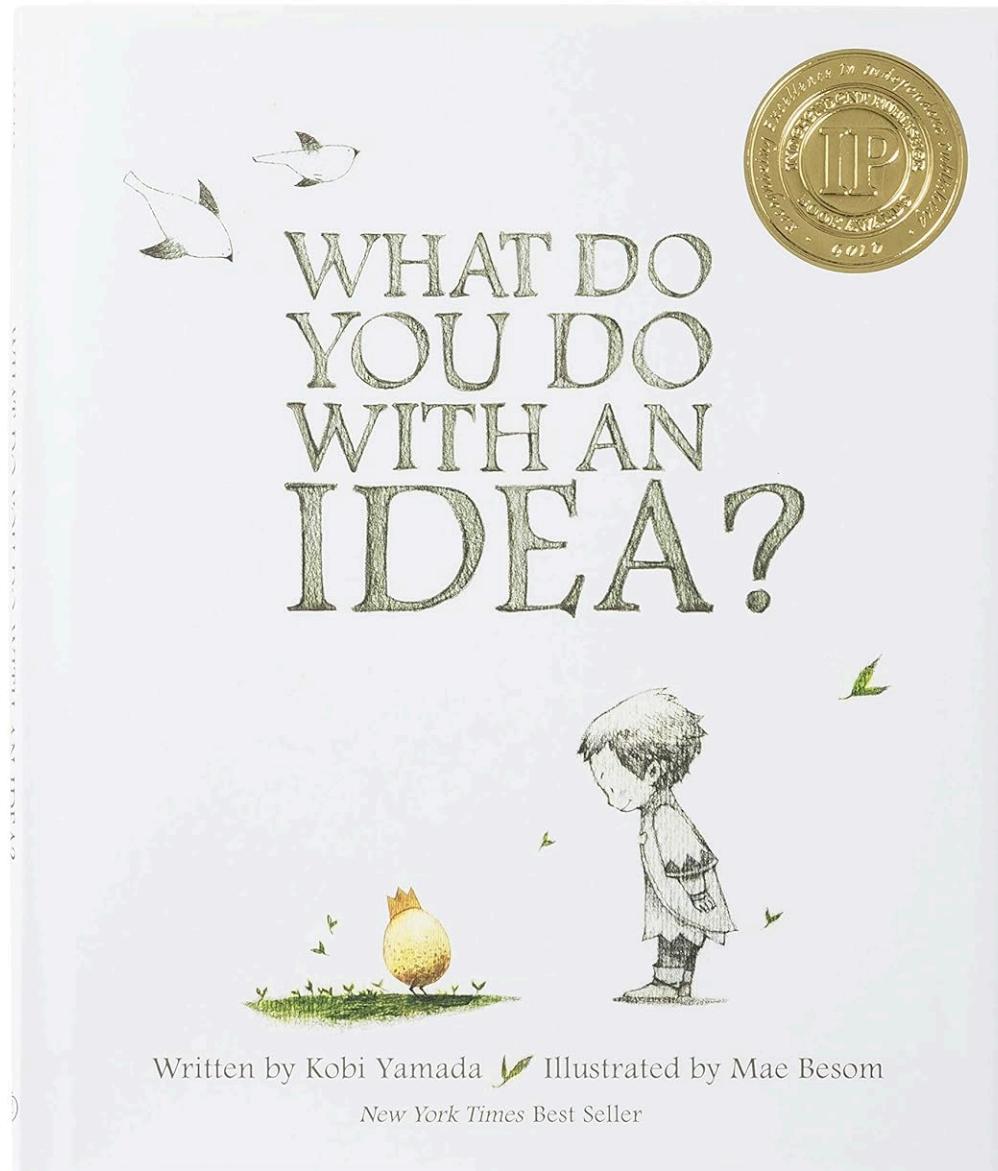
The Parent's Role: Evaluator, Not Answer Key

When your child says: "Based on AI..."

Don't just accept or reject. Investigate together:

- "Why did AI say that?"
- "Does this make sense to you?"
- "Let's find another source and compare"
- "What would be the impact if this was wrong?"

→ **You become their literacy partner, not their homework helper.**



Live Demo

- Conference Date ❌
- Conference Family Trip ✅



fitri 🌸 ✨
@fifiyuu

∅ ...

IDSW Day 1 with suamiik! ❤️❤️❤️❤️ @F2aldi



1:35 PM · Nov 22, 2025 · 12.5K Views

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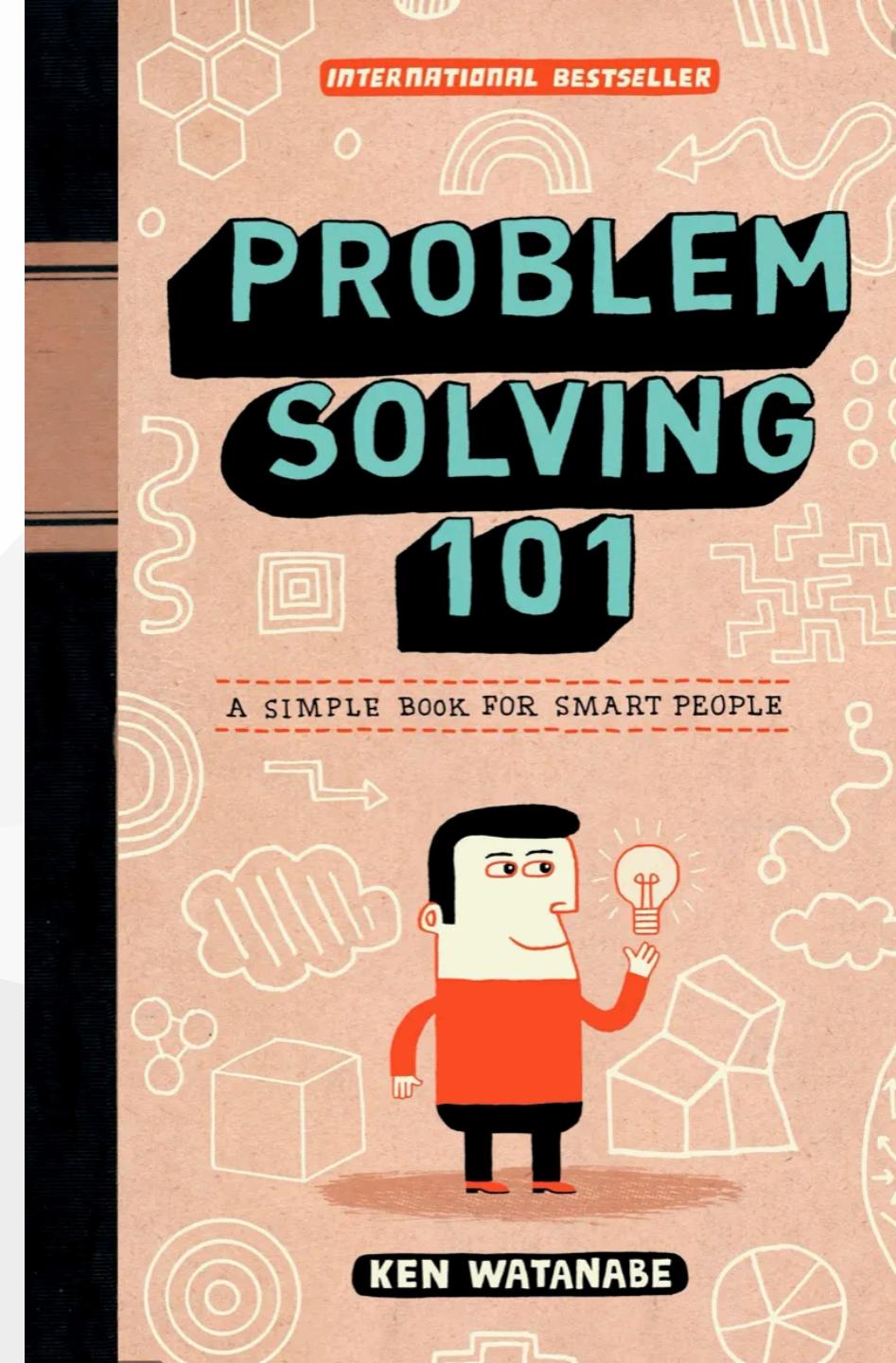
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Live Demo: Learning in Action

🎤 Meet Najmi and Isa

My children will show you what this looks like in practice.

They're not actors. They're real kids figuring out how to deal with AI.



WHAT DO YOU DO WITH A CHANCE?



Written by Kobi Yamada Illustrated by Mae Besom

Creators of the *New York Times* Best Sellers *What Do You Do With an Idea?* and *What Do You Do With a Problem?*



Najmi's Story: Testing AI Accuracy

The Challenge: Can you trust what ChatGPT tells you?

→ This is AI Literacy in action.

WHAT DO YOU DO WITH A PROBLEM?



Written by Kobi Yamada  Illustrated by Mae Besom

Creators of the New York Times Best-selling Book *What Do You Do With an Idea?*

4 Problem Solving

• Isa's Story: Solving Problems Through Connection

The Challenge: Managing health and feelings across countries
(Malaysia → Singapore)

→ This is what AI can never do: be present with a child.*



Actually, AI can be present for humans

- ⚠️ But it might lead to delusion if unmonitored



5 Character & Agency

 **Machines Can Be Trained, Humans Are Raised**

Character is built through **real responsibilities** and clear values—not algorithms.

FAMILY RULES Be Kind, Not a Bully

Our Guide to Keep Everyone Safe and Kind



We Treat Everyone with Respect

No teasing, mocking, or making fun of others—even as a joke.



We Include, Not Exclude

No leaving someone out on purpose. Everyone deserves to belong.



We Use Kind Words Only

No name-calling, gossiping, or threatening.



We Don't Hurt on Purpose

No hitting, pushing, or messing with someone's things.



We Stand Up for Each Other

If someone is being unkind, we speak up or tell a trusted adult.



We Own Up and Make Things Right

If we hurt someone, we say sorry and find a way to fix it.



We Listen When Someone Says "Stop"

If someone doesn't like something, we stop right away.



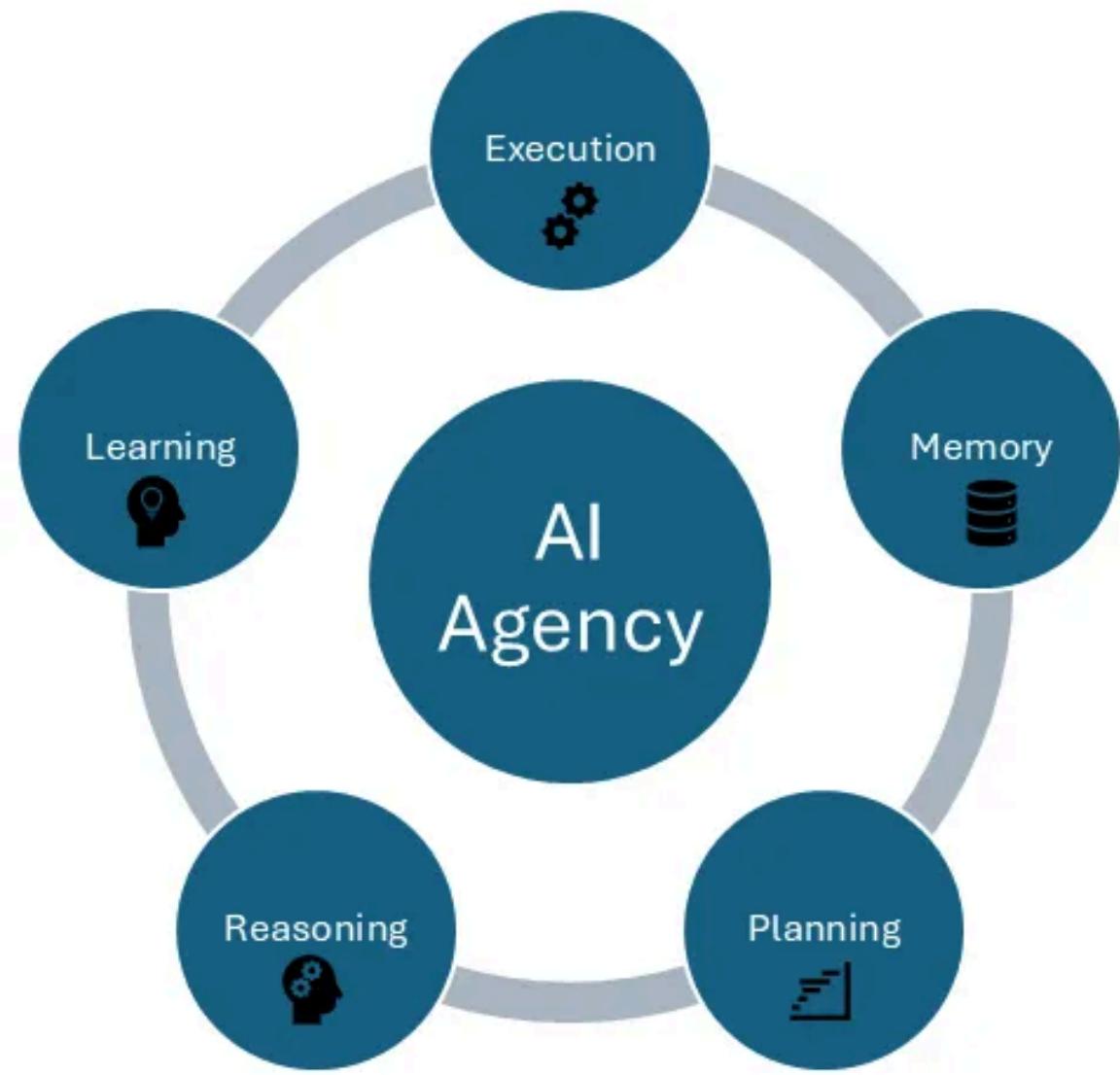
We Agree to Disagree

It's okay to think differently—we respect other opinions.



We Ask Before Using Someone's Things

We respect other people's belongings and always ask first.





AI is **trained** to output. Humans are **raised** to choose.

Becoming more human means:

- Curious
- Resilient
- Thoughtful
- Kind

→ **These qualities come from agency, not grades.**

ISA'S CAMPING TRIP



6 Creativity: Hands-On Work > Passive Consumption

AI can generate content. But only humans can truly create through practice and presence.

Examples from our family:

- **Isa's vlog** – narrative practice, storytelling decisions
 - **Najmi's knitting** – tactile craft, patience, personal expression
 - **Music performances** – live presence, practice, emotion
- These can't be outsourced to AI.

Key Takeaways

To Raise Kids Who Outthink the Machines

- **1 Digital & AI Literacy** – Understand tools, use them correctly
- **2 Critical Thinking** – Question everything, including AI
- **3 Communication & Collaboration** – Learn together, not alone
- **4 Problem Solving** – Systems thinking, not rules
- **5 Character & Agency** – Protect their choices, their identity
- **6 Creativity** – Hands-on work beats passive consumption



Your Challenge This Week

Pick **ONE** thing to try:

- A small AI project with your child
 - A "test the AI" conversation
 - One screen-free family discussion
 - A problem-solving session together
- **Start small. The goal is connection, not perfection.**

Top 10 fastest growing skills by 2030

1.  AI and big data
2.  Networks and cybersecurity
3.  Technological literacy
4.  Creative thinking
5.  Resilience, flexibility and agility
6.  Curiosity and lifelong learning
7.  Leadership and social influence
8.  Talent management
9.  Analytical thinking
10.  Environmental stewardship

 Cognitive skills  Self-efficacy  Working with others  Management skills  Technology skills  Ethics

Note: The skills selected by surveyed organizations to be increasing most rapidly in importance by 2030.

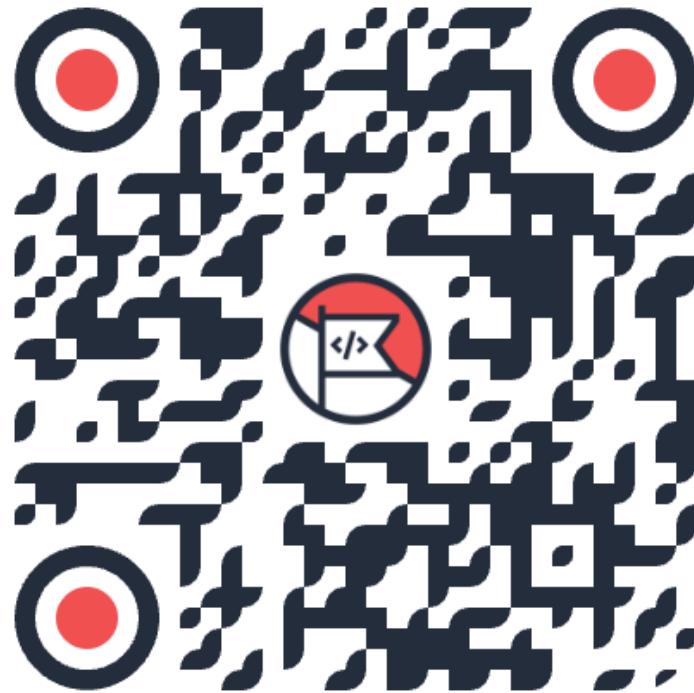
Source: World Economic Forum. (2025). Future of Jobs Report 2025.

Final Thought

“ The future doesn't belong to the smartest machine.
It belongs to the most
deeply human child. ”



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children