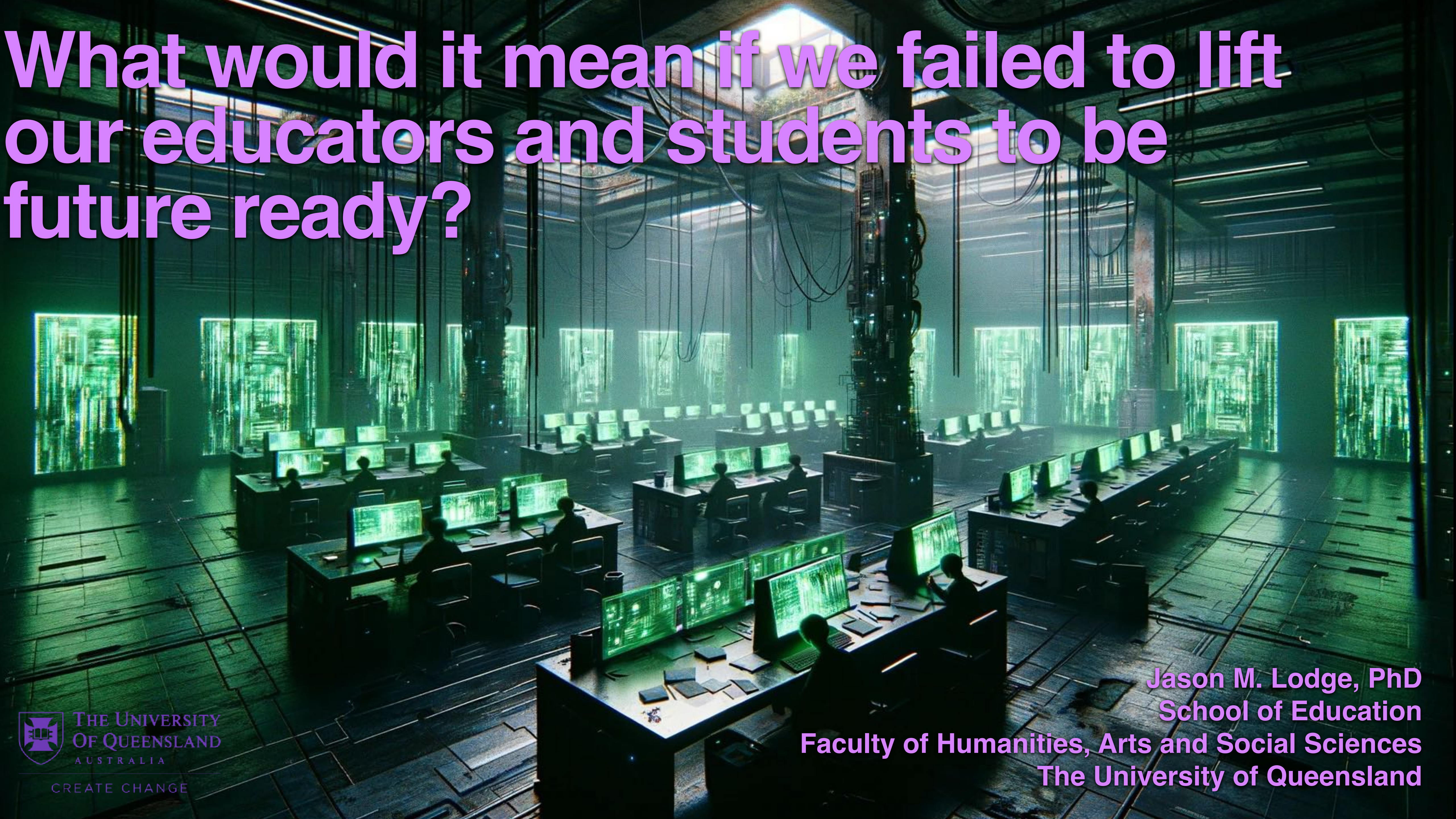


What would it mean if we failed to lift our educators and students to be future ready?



Jason M. Lodge, PhD
School of Education
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Future ready?



What future are we talking about?

A NEW ERA

The Age of AI has begun

Artificial intelligence is as revolutionary as mobile phones and the Internet.

By **Bill Gates** | March 21, 2023 • 14 minute read



In my lifetime, I've seen two demonstrations of technology that struck me as revolutionary.

The first time was in 1980, when I was introduced to a graphical user interface—the forerunner of every modern operating system, including Windows. I sat with the person who had shown me the demo, a brilliant programmer named Charles Simonyi, and we immediately started brainstorming about all the things we could do with such a user-friendly approach to computing. Charles eventually joined Microsoft, Windows became the backbone of Microsoft, and the thinking we did after that demo helped set the company's agenda for the next 15 years.

SXSW Audiences Loudly Boo Festival Videos Touting the Virtues of AI

By Michael Schneider 



Hubert Vestil for SXSW Conference & Festivals

VERITY

MARCUS



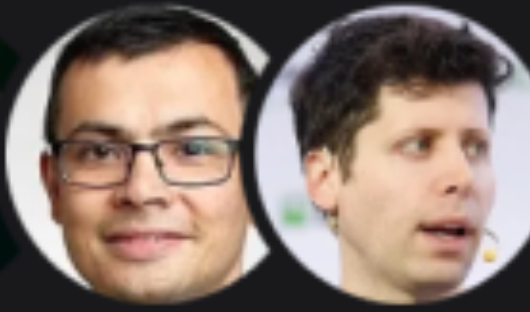
LECUN

HINTON



BENGIO

ALTMAN



HASSABIS

MUSK



AMODEI

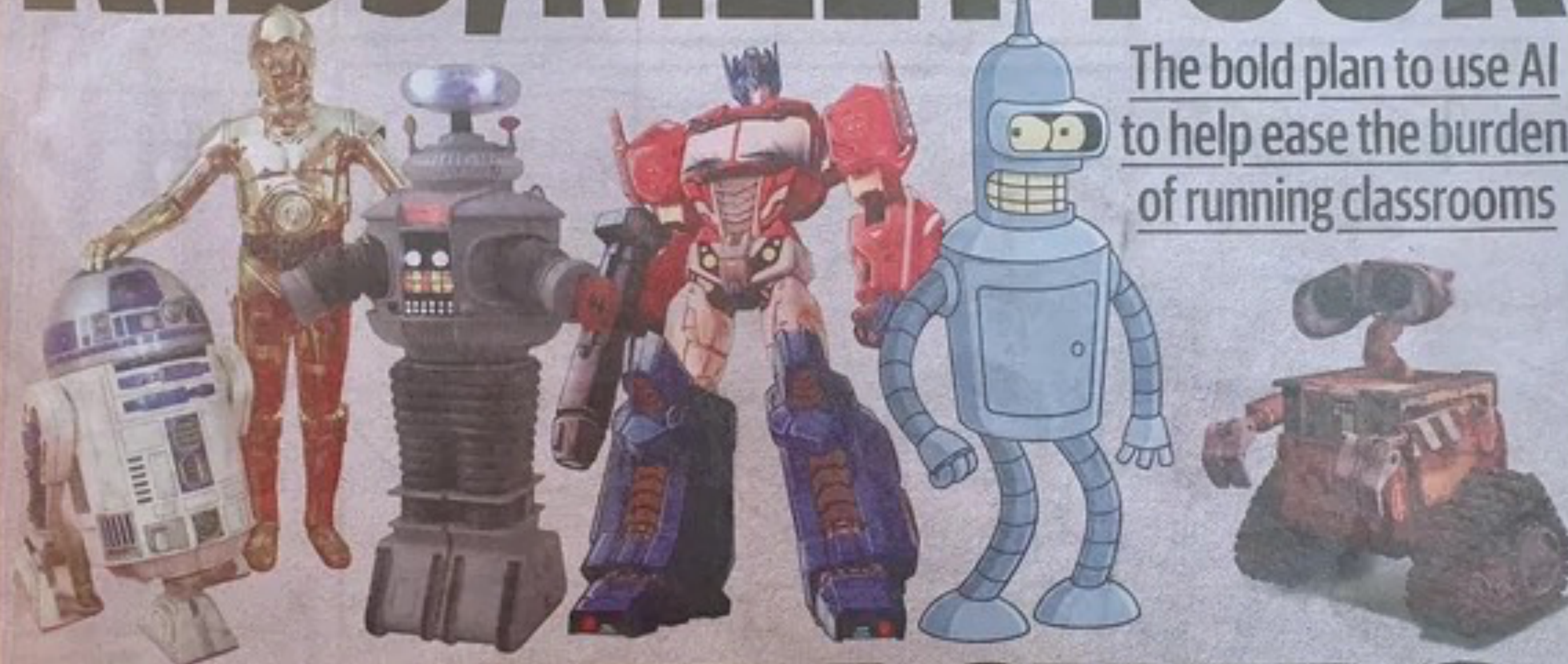
NOT SOON

SOON

**Will AI surpass human intelligence,
and when?**

What's left in the gap?

KIDS, MEET YOUR



The bold plan to use AI
to help ease the burden
of running classrooms

NEW TEACHERS



EXCLUSIVE BETHANY HIATT

Time-strapped WA teachers could gain access to artificial intelligence tools to ease their workloads under plans to cut red tape.

Education Minister Tony Buti will on Thursday unveil initiatives to lighten the administrative burden for teachers, which will include examining ways to harness powerful AI chatbots such as ChatGPT. Next year the Education Depart-

ment — in partnership with private schools and curriculum authorities — will test AI tools to see how they can be best used to streamline planning and enhance teaching.

The department will set up AI “demonstration environments” for

teachers to explore and provide feedback on the effectiveness of AI for improving classroom learning and reducing workloads.

The sudden rise of generative AI

CONTINUED PAGE 4

FUTURE TENSE →

FULL EPISODE

Architecture's AI crossroads

Broadcast Sun 22 Oct 2023 at 12:30pm



LISTEN
29 m

Advanced Artificial Intelligence and new digital technologies are revolutionising the architectural industry.

How do we prepare students for this
world?

“Universities don’t produce graduates for any future, they produce graduates for the world as it was 5-10 years ago.”



No degree required: Canva, WiseTech and Culture Amp's new workforce

Companies are relaxing or eliminating such qualifications from their job ads to access deeper talent pools.



Job-ready Graduates Package



Under the Job-ready Graduates Package (the package) of reforms to higher education, Government university funding of \$18 billion in 2020 will grow to \$20 billion by 2024. The package will create up to 30,000 new university places, and 50,000 new short course places by 2021 and provide additional support for students in regional and remote Australia.



Day 1

Day 3,000

How do we prepare students for any and all possible futures?



Jason Gulya · 1st

Helping Colleges and Companies Elevate Learni...

16h · 🌐



Don't waste time learning a bunch of AI tools.

Most of them won't make it.

I get asked about tools ALL THE TIME.

That's because most people:

- see lists of AI tools
- play with some of them
- drop them in a few days

That's a waste of time.

Instead, try this:

1. Learn 1-2 foundational models
2. Get really good at building with that model
3. Limit your time playing with other AI tools
4. Create process for learning tools quickly.

#1 and 2 focus on the model

#3 and 4 give you a way to pivot, once tools die

AI Literacy?

Lifelong learning?

Microcredentials?



**SELF-
DIRECTION
FOR
LIFELONG
LEARNING**

*A Comprehensive Guide
to Theory and Practice*



Jossey-Bass Publishers

San Francisco • Oxford • 1991

Evaluation/judgement

Sensemaking

Self-regulated learning

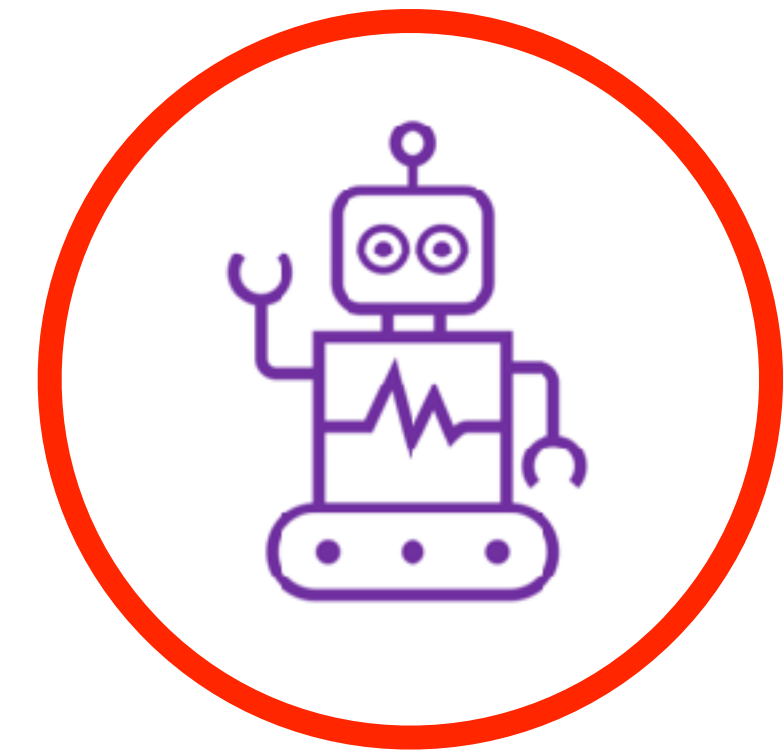
	Humans	LLMs
Interpretation		
Analysis		
Evaluation		
Inference		
Explanation		
Self-regulation		

3

3

What are we really talking about
here?

Volatile
Uncertain
Complex
Ambiguous





Gary Marcus  @GaryMarcus · 19h



Replying to [@MoonlitMonkey69](#) [@mmbronstein](#) and 4 others

the field's repeated disrespect for expertise in human cognition is embarrassing. history won't look kindly on the intellectual arrogance of the last decade.

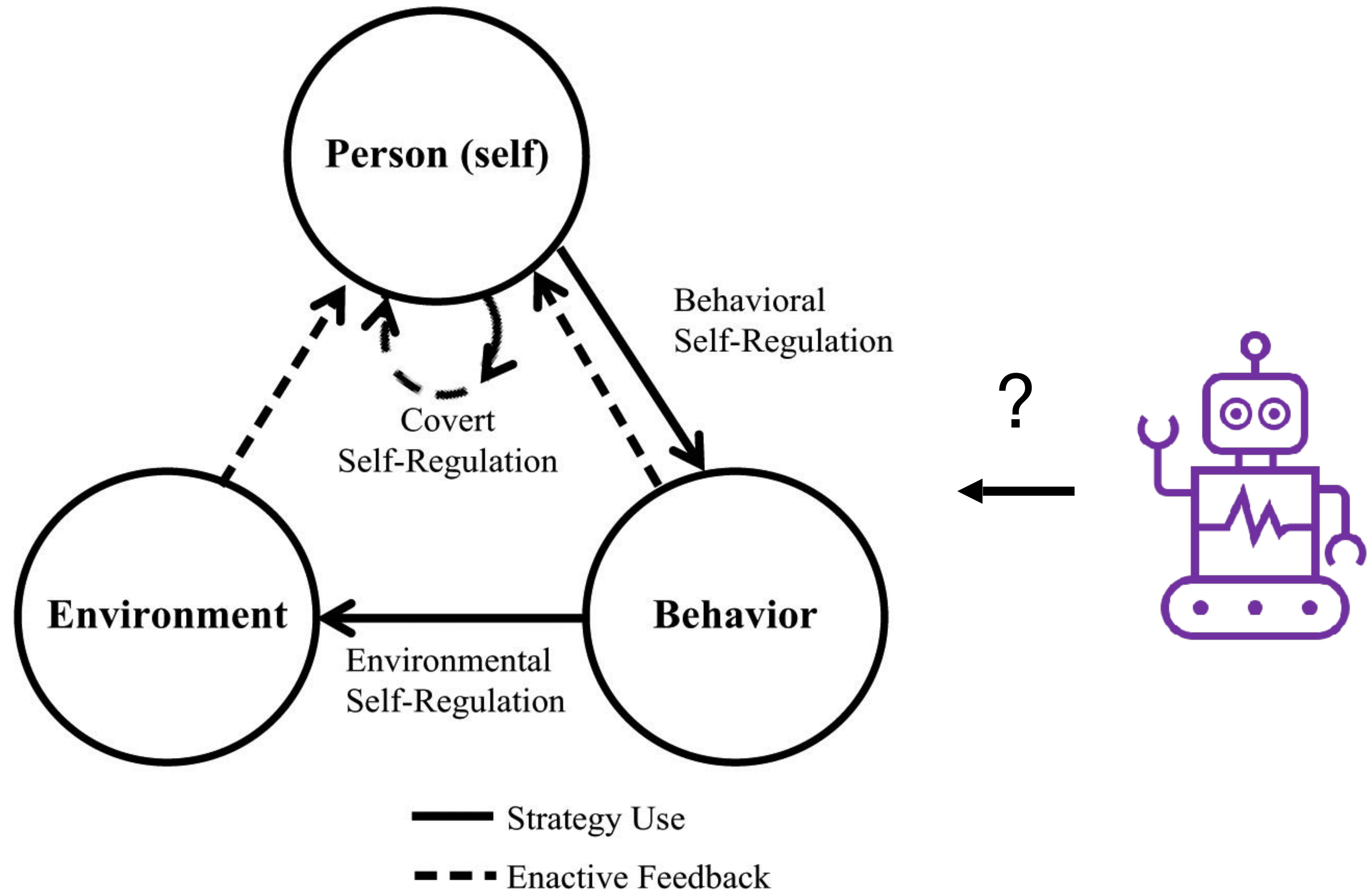
Teaching Machines

THE HISTORY OF
PERSONALIZED LEARNING

AUDREY WATTERS



We can't expect students to make
the most of learning with and
alongside technology (including
AI) if they don't understand their
own learning



Adapted from Zimmerman (1989)

What should we be doing?

21st Century Skills?

Adaptability

Resilience

Tolerance for uncertainty

What would it mean if we failed to lift our educators and students to be future ready?

American Confidence in Higher Ed Hits Historic Low

A Gallup poll shows only 36 percent of Americans have “a great deal” or “quite a lot” of confidence in higher education, which is down by about 20 percentage points from eight years ago.

By [Jessica Blake](#)



Microsoft University



Thank you



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