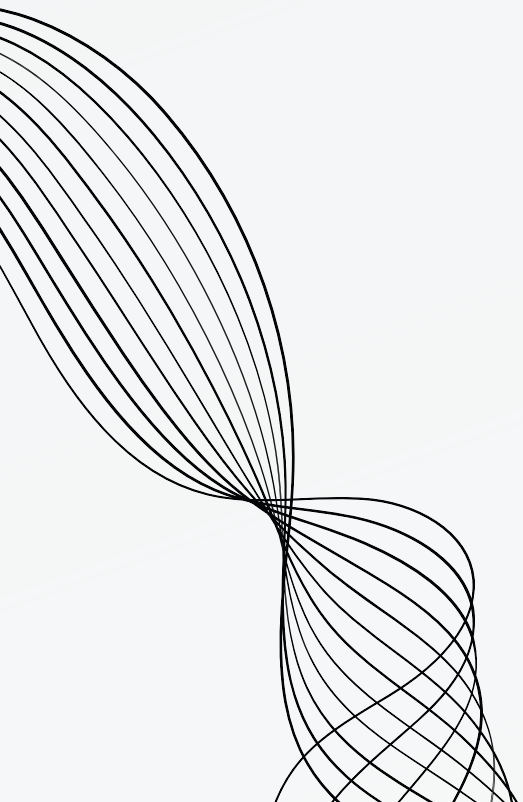




**AI AND AUTOMATION'S IMPACT:
THE BIGGER PICTURE**

**WHAT'S BEEN HAPPENING IN
THE LAST FEW YEARS? WHAT
ARE THE TRENDS?**



AUTOMATION AS AN ANCHOR



- DATA MANAGEMENT
- ARTIFICIAL INTELLIGENCE
- SYNTAX



West and Allen (2023) expressed the then initial perception of AI and automation.



How artificial intelligence is transforming the world

Darrell West and John Allen examine the societal and political aspects of developing artificial intelligence technologies.

 Brookings / Apr 24, 2018

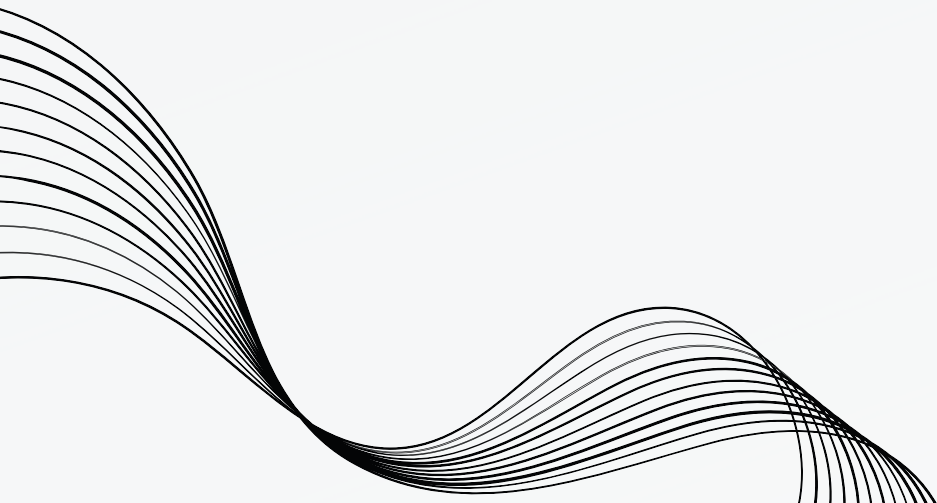
SECURITY AS AN IMPERATIVE



- DATA ENCRYPTION
- DISSEMINATION & SCALE OF INFORMATION



- Cookie Crisis (2023)
- Sophistication of Permissions (e.g., Meta, SSO, 2FA)



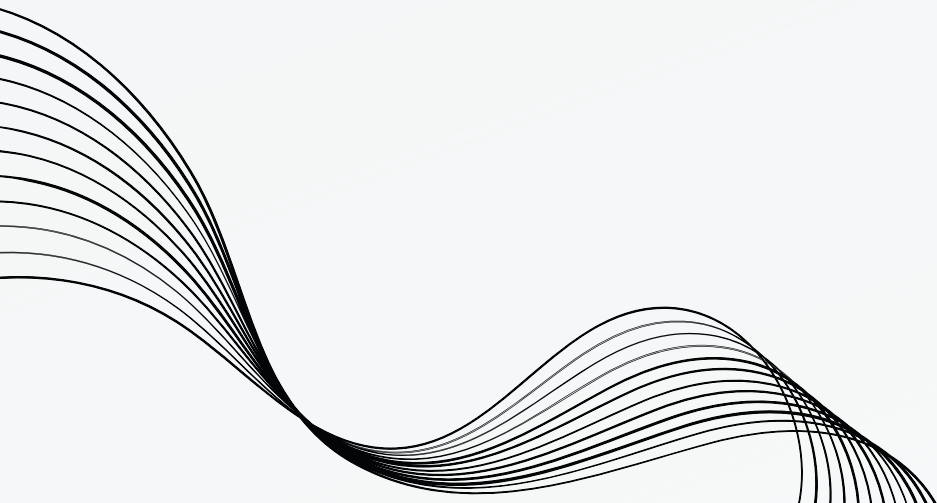
ETHICS AS AN AFTERTHOUGHT?



- "Curiosity sparks action."
- Currently in a silent period, on a policy level.



"AI cannot hold copyright." (Mohar Chatterjee, 2023).



EVOLVE OR DIE

POWERFUL = AMBIGUOUS





USE CASES

Ethics

Optimization

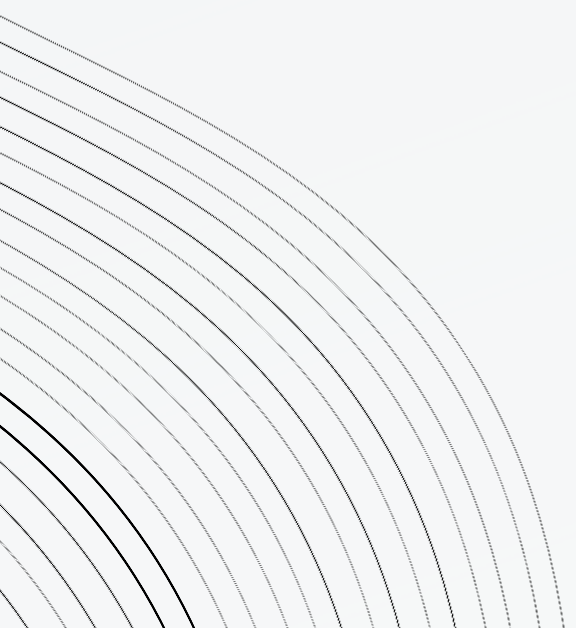
ENABLER OR EMPOWERER?

- Personalized tool.
- Enhancement, and not solely replacement.
- This type of information processing is an answer to a gap in learning dynamics prevalent to those in Gen Z and younger.

Variety-seeking, learning and performance

[Gino Cattani](#), Conceptualization, Methodology^{1,*} and [Ji-hyun Kim](#), Conceptualization, Methodology²

Federica Angeli, Editor



FLIPPING THE SCRIPT

- Shift pedagogy that shrouds the platform and inhibits its perception as a "tool."
- In retrospect, still user centric.

NEWS

ChatGPT and other language AIs are nothing without humans – a sociologist explains how countless hidden people make the magic

FLIPPING THE SCRIPT

- Despite anchoring on automation, efficiency, and convenience; it is nonetheless reliant upon critical thinking.
- It is a tool caught in obscurity, it is all powerful nor it is rudimentary (i.e., context is key).

How to use ChatGPT as a learning tool

Rather than weaken student effort, artificial intelligence can help prepare students for the real world by encouraging critical thinking—with a few caveats. Here's advice from psychology instructors about how to use ChatGPT and other AI technology wisely

Metacognition and Critical Thinking: Using ChatGPT-Generated Responses as Prompts for Critique in a Problem-Solving Workshop (SMARTCHEMPer)

Betty Exintaris, Nilushi Karunaratne, and Elizabeth Yuriev*

OFF TO THE DRAWING BOARD

- Due to prior discourse, ChatGPT and other related AI tools are alienated.
- Despite this, students find it to be a helpful aid for finding resources and composing study guides.
- In the test, a major gap was exposed, that the limits of the tool have not yet fully grasped and legitimized.
- In filling the gap, a holistic approach is needed (pedagogical, cultural, and administrative).

Exploring Students' Perceptions of ChatGPT: Thematic Analysis and Follow-Up Survey

April 2023 · [IEEE Access](#)

DOI:[10.1109/ACCESS.2023.3268224](https://doi.org/10.1109/ACCESS.2023.3268224)

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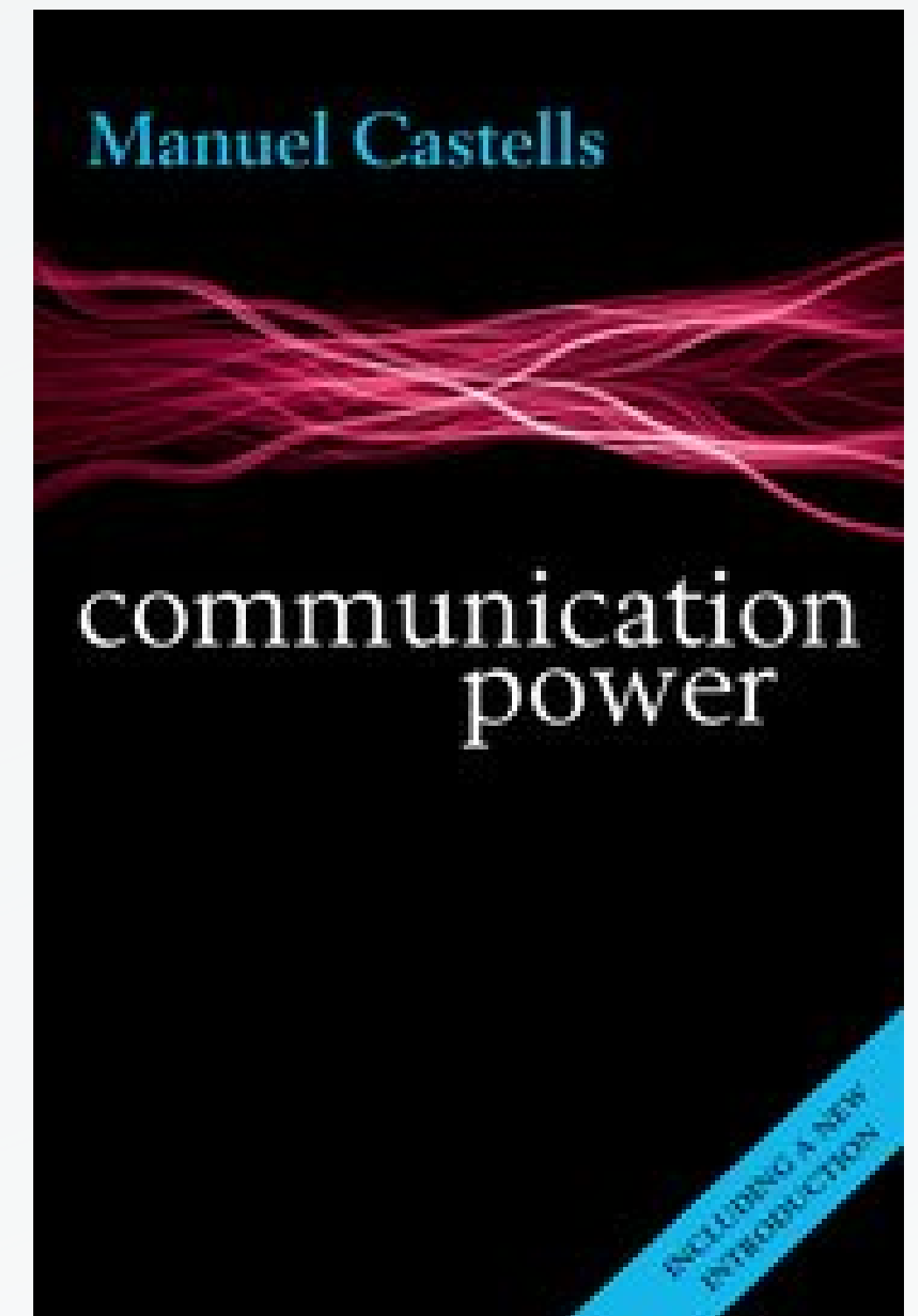
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OFF TO THE DRAWING BOARD

- In the academe, communication in relation to policy making must tap into both the structural (direct) and institutional (indirect) facets of command.
- In relation to AI and the academe's recognition of such, the integration of these facets of command shows the clear intention of wanting to foster AI learning into the culture and standards of education.



OFF TO THE DRAWING BOARD

- Through showing a collective thrust to commit can we implement both systems and a standing culture.
- Implementation: Bottom-up and Top-down



NAVIGATING THE SELF

- Its accessibility to real-life data and a wide scale of data sources and generative user interface (UI) allows for the integration of trends.
- Generative and highly automated AI as case studies of the future.
- Three steps:
 - How AI can automate repetitive tasks.
 - How it can be used as a tool of expansion.
 - With the investment on AI, how we can then focus on other more meaningful "human" tasks.
- As it is the tool of the future, it is already and will continue to be, a tangible discipline and path.

ChatGPT in Career Planning: How It Will Change the Game

Published on March 30, 2023

AI And You: How ChatGPT Can Take Your Career To The Next Level

MOVING FORWARD

A former Google exec warned about the dangers of AI saying it is 'beyond an emergency' and 'bigger than climate change'

Sawdah Bhaimiya Jun 1, 2023, 6:32 PM GMT+8



- "Today's rules may not be tomorrow's rules" (Gawdat, 2023).
- Without urgency and the collective thrust to optimize the tool, both ethics and optimization will remain taboo.
- AI's presence is inevitable; but its power, governance, and bounds can be influenced.

MAKING SENSE OF THE ABSTRACT

- "Our artificially intelligent children are bound to be super intelligent. We will never be able to control them. We are way too dumb for that. We need to win them over and we need to start now." (Gawdat, 2023)