



Log in to: chat.openai.com



Welcome to ChatGPT

Log in with your OpenAl account to continue



Log in

Sign up

Programme

- 1. What is: AI/Play/Prompting
- 2. Playing with Intelligence
- The Art, Science and Power of Playing with Intelligence

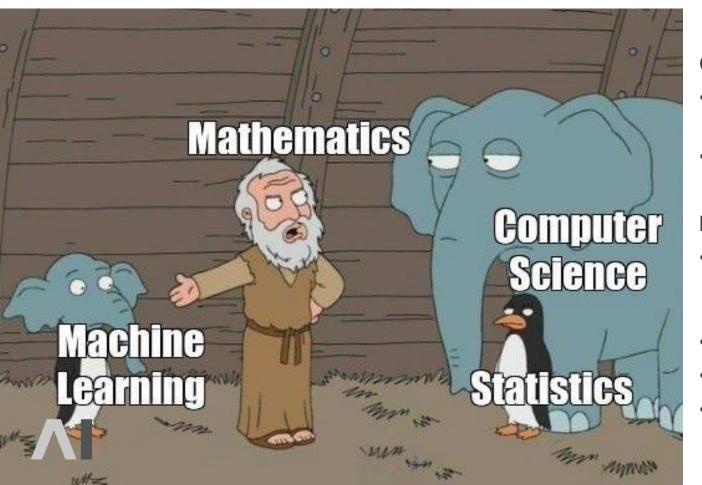
Superhero images representing Swiss cantons (right: Valais). Generated with Midjourney by <u>Alexandre Sadeghi</u>.





Today's Goals





OBTAIN:

- Knowledge and practical skills with AI, specifically ChatGPT, for the purpose of (serious) game design.
- A basic understanding of 'prompting'.

INSIGHT INTO:

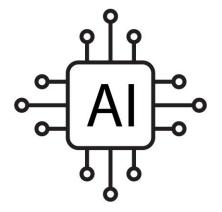
- Opportunities and possibilities, but also risks and threats, of AI and ChatGPT, in education, business and government.
- The art, science and power of playing and prompting.
- Current and upcoming developments and steps to take.
- What I and others may be capable of.

Media in the 90s:Ai will destroy the earth Ai now:



What is AI?





- What is your experience?
- Know any Al-Tools?
- Show me your prompts!



Artificial intelligence (AI) is the enterprise of (creating) intelligent machines that can perform tasks requiring human-like intelligence.

ChatGPT 3.5 (2023)



Play is a voluntary activity or occupation executed within certain fixed limits of time and place, according to rules freely accepted but absolutely binding, having its aim in itself and accompanied by a feeling of tension, joy, and the consciousness that it is 'different' from 'ordinary life.'

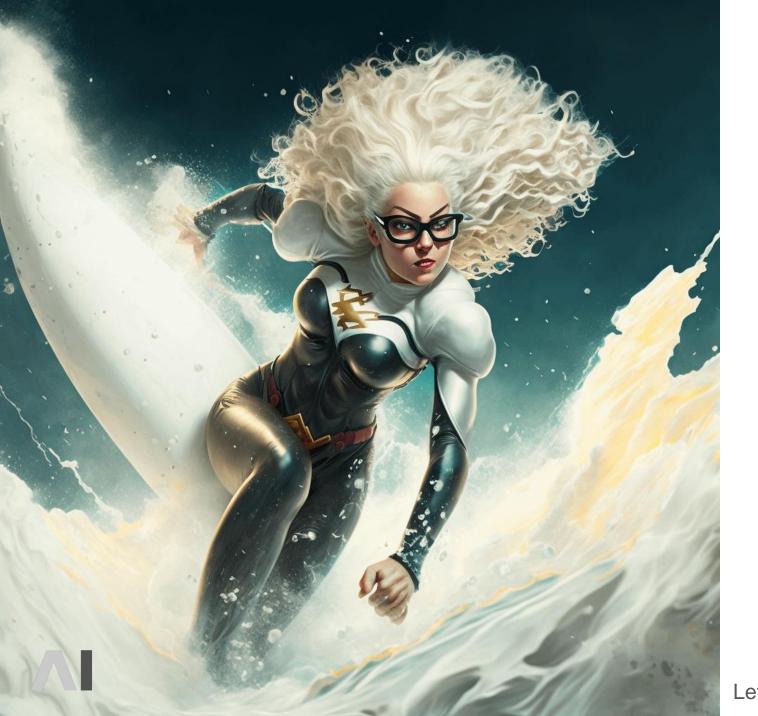
Johan Huizinga (1938) Homo Ludens: A Study of the Play Element in Culture



Al-Prompting is a form of interactive communication that consists of asking questions and giving instructions to **Al-chatbots**, simultaneously utilizing and enhancing hard skills and soft skills ...

Tim Goudriaan (2023)





大 How do I **Play with** Intelligence

Left: Freiburg

Choose your Game

"Do you know the game [xxx]? Please explain it to me."



Choose your Theme

"I am a lecturer at university where I teach about [yyy]. Can you incorporate [yyy] into [xxx] so that I can use this game to teach my students about [A] and [B]? Focus on ...





"This is exciting! Can you please create a written prompt that I can give to another image generating AI, that creates a gameboard based on that of [xxx] but that fits this new game?"

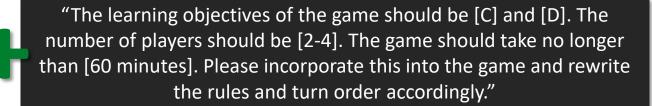
- www.deepai.org
- labs.openai.com
- MidJourney
 - Etc.



"Excellent. Now provide in tabular format an alphabetical list of 20 cards in this new game. Provide names and specific functions. I want to be able to print this list for my students."

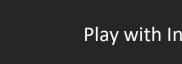


"Please provide the rules of the game, followed by a step-by-step turn order."



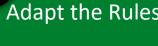


"Name my game! Give 5 suggestions."





Hand In your Game by submitting it via:



Play with Intelligence!





The Art, Science & Power of

Playing with Intelligence

Left: St. Gallen



Speed Quantity Quality Creativity





A superpower is "(in fiction) an exceptional or extraordinary power or ability."

(Oxford Dictionary)









Reading

Writing

Numeracy

Programming







Reading

Writing

Numeracy

Programming

- Critical Thinking
- Communication
- Problem-solving
- Reasoning
- Collaboration
- Creativity





Play is a voluntary activity [...] according to rules freely accepted but absolutely binding, [...] accompanied by a feeling of tension, joy.

Johan Huizinga (1938)

Homo Ludens: A Study of the Play Element in Culture





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- Critical Thinking
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- Creativity
- Etc.

Numeracy

Programming





Al-Prompting is a form of interactive communication [...] utilizing and enhancing hard skills and soft skills ...

Tim Goudriaan (2023)







Reading

Numeracy

Writing

Programming

Playing

Prompting

- **Critical Thinking**
- Communication
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- Reasoning
- Collaboration
- Creativity







Reading Writing Numeracy Programming





Reading

Numeracy

Critical Thinking
Reasoning
Problem-solving
Negotiation
Decision-making
Conflict Resolution
Etc.

Communication
Collaboration
Teamwork
Diplomacy
Leadership
Creativity
Etc.

Writing

Programming



Playing "Play is the exaltation of the possible." (Huizinga)

Reading

Numeracy

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Playing

"Play is the exaltation of the possible." (Huizinga)

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Etc.

Writing

Programming

Prompting



"Prompting is the catalyst for possibilities." (ChatGPT)



Al-Prompting is a form of interactive communication that consists of asking questions and giving instructions to **Al-chatbots**, simultaneously utilizing and enhancing hard skills and soft skills ...

Tim Goudriaan (2023)





Al-Prompting is a form of interactive communication that consists of asking questions and giving instructions to Al-chatbots, simultaneously utilizing and enhancing hard skills and soft skills - potentially providing users with superpowers.

Tim Goudriaan (2023)



What does this Al Superpower look like?

How does it work?



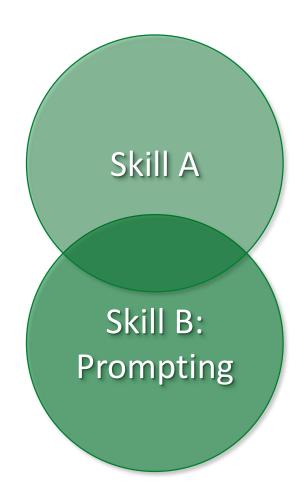




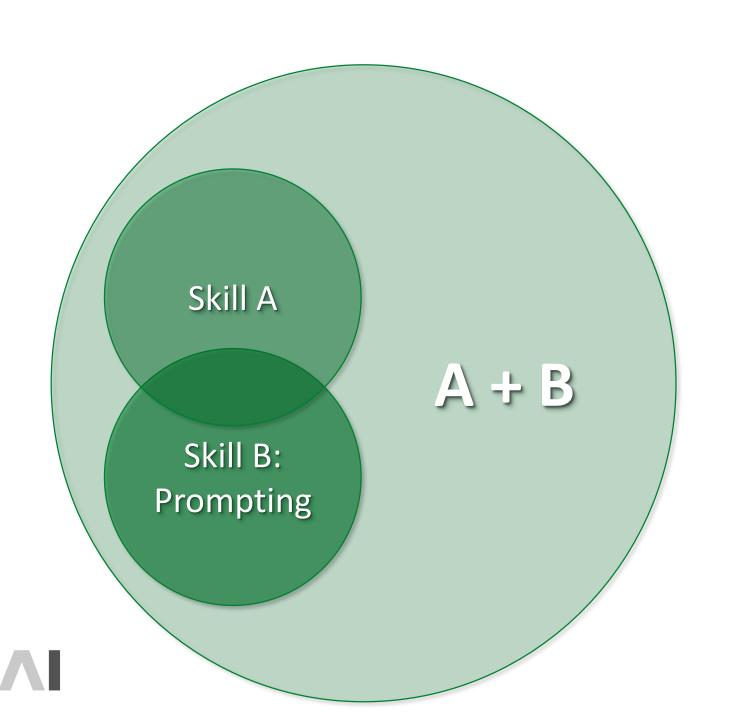


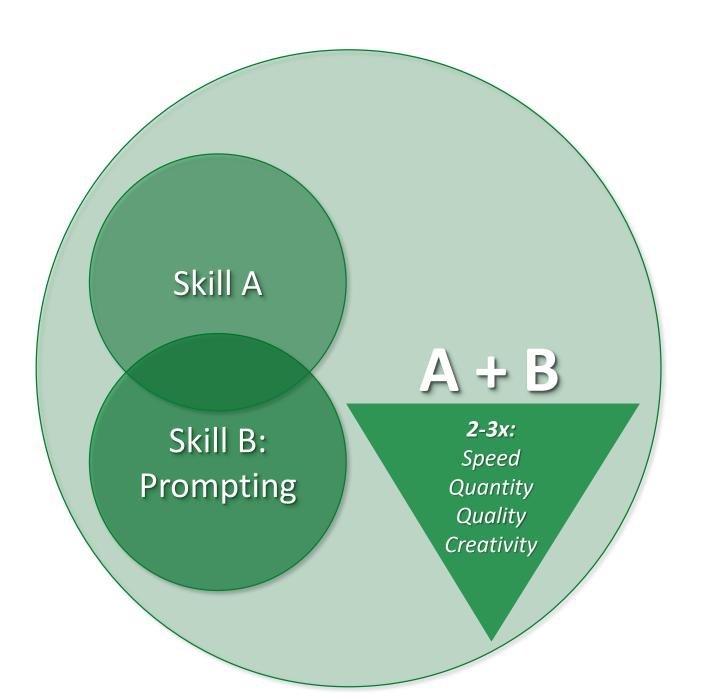
















Skill A

Skill B: Prompting

A + **B**

A + B At Scale

2-20x:
Speed
Quantity
Quality
Creativity

Anatomy of an AIPIS



Skill A

Skill B: Prompting

A + **B**

A + B At Scale

2-20x:
Speed
Quantity
Quality
Creativity



An Al-Prompt-Induced Superpower (AIPIS) is (in fiction) an exceptional or extraordinary power or ability that may result from combining Al-prompting with certain hard and soft skills.



Please open ChatGPT again to demonstrate further AIPIS in action.

Create: Lesson Plans

"Act as Excel. You will respond in tabular format only. Create a 3-week lesson plan where I will play this game with my students. For every week, specify the learning objectives, topics and concepts, time schedule, discussion questions, and ideas for more interaction on the topics of that week."



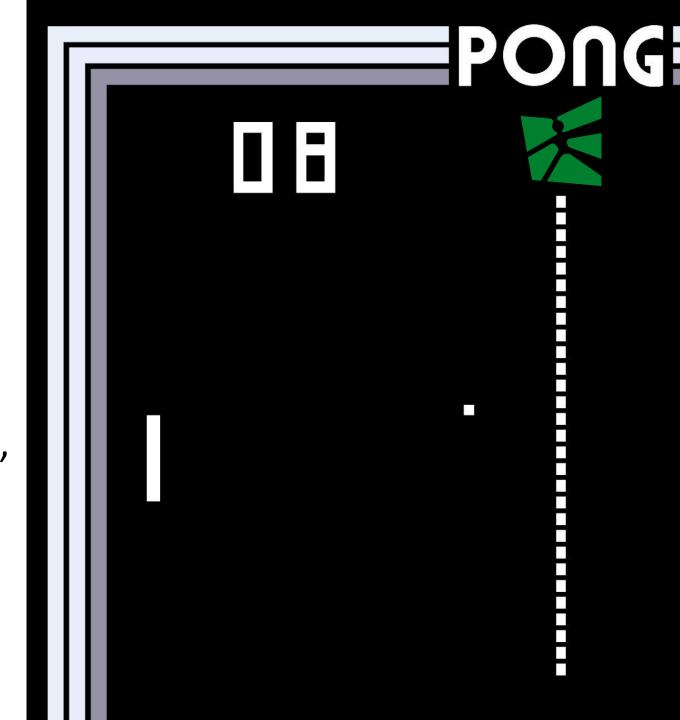




Play: Pong

"Let's play Pong!" (GPT 3.5)

"Write the software to play Pong." (GPT 4)

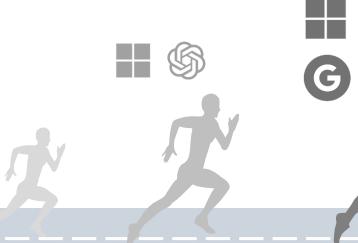




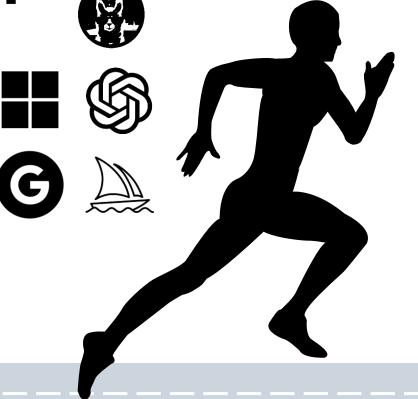


A whole new way to work

Capabilities with Al in 2023











Oct '22

Nov '22

- ChatGPT-3.5
- DALL-E 2

Feb '23

- ChatGPT Teams Premium
- Bing/Sydney
- Bard (Google)

March '23

- ChatGPT4
- MidJourney v5
- Alpaca (Stanford)

Spring/Summer '23

- Microsoft Copilot •
- **AutoGPT**
- Sparrow

- ChaosGPT
- **ChatGPT Plugins**
 - HuggingGPT
 - Open Source
 - Code Interpreter
 - **DarkBERT**



Discussion

What does this mean for:

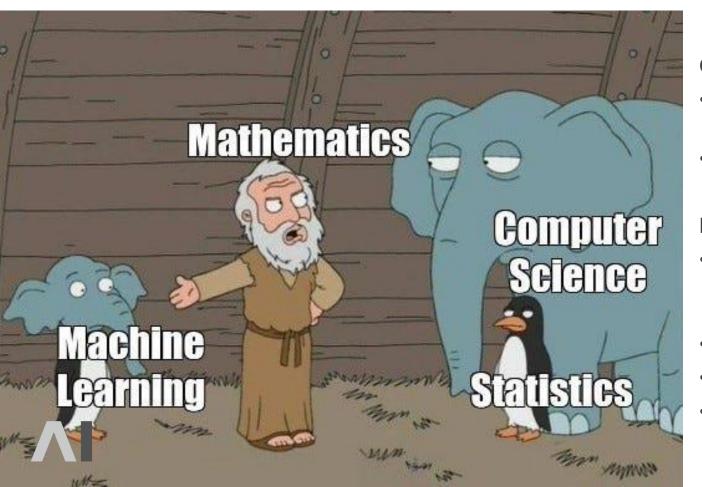
- My job/(study)career?
- My organisation?
- My field?
- Me?





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ST.GALLEN STRATEGY



Writing



ChatGPT

ChatGPT is the world's most advanced AI text generation tool.



Jasper

Instantly create content for your blog, social media, website, and more.



CopyAI

An AI-powered content generator for all your marketing needs.

Video



Turn text into videos with AI voices.



SuperCreator

Create short form videos 10x faster using AI.



Runway

Turn any image, video clip or text prompt into a compelling piece of video.

Audio



The best AI tool to eliminate background noise during calls.



An AI tool to record and edit your voice recordings everywhere.



Voicemod

Real-time voice changing and custom sound effects for every game and app.

Coding



GitHub Copilot

Suggests code and entire functions in realtime, right from your editor.



AutoRegex

Converting plain English to RegEx with Natural Language Processing.



Lightning AI

Fast and minimal libraries to train and deploy AI models.

Productivity



Albus

An AI assistant to get answers quickly and easily.



Slides AI

Create compelling presentations with AI in seconds.



Notion AI

Write better in Notion with the help of AI. Create better content 10x faster.

Images



Midjourney

Midjourney uses AI to create images from text descriptions.



RocketAI

Generate creative images that perfectly capture your unique brand style.



BRIA allows you to generate high-quality images with one click.



Anatomy of a ChatGPT Mega-Prompt



Name (Assessment)

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Simulate Persona

Task

Steps to complete task

Context / Constraints

Goal

Format Output





Some Key Publications on Al

- The Age of AI has begun
- Educator considerations for ChatGPT
- From Human Coders to AI: The Rise of GPT-4 in Startups and How It's Changing the Game
- Sparks of Artificial General Intelligence:
 Early experiments with GPT-4
- 8 Signs It's The Future | AI Explained
- Sam Altman: OpenAl CEO on GPT-4, ChatGPT, and the Future of Al | Lex Fridman Podcast #367
- Max Tegmark: The Case for Halting AI
 Development | Lex Fridman Podcast #371
- The Al Revolution: The Road to Superintelligence

Left: Genève



www.adviesentraining.ai