

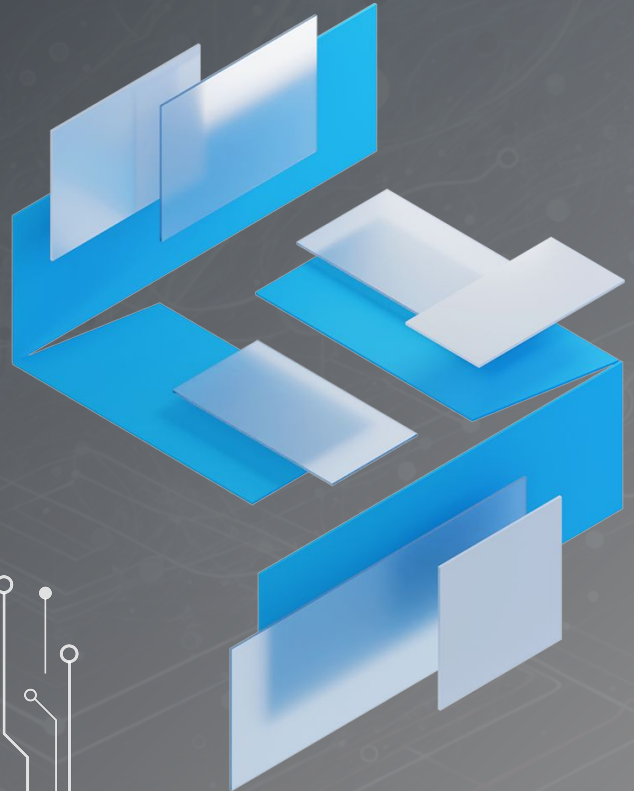
AI Tools

Productivity & Efficiencies in the Workplace

David Hartmann | CEO & Founder @ The SilverLogic

The SilverLogic

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David Hartmann

Speaker | Founder | Mentor

Founder & CEO | The SilverLogic (TSL)

Founder | Waystones

Co-Founder & CTO | Lumentender

CTO | EmotionTrac

Mentor | The VMT

Mentor | FAU Tech Runway



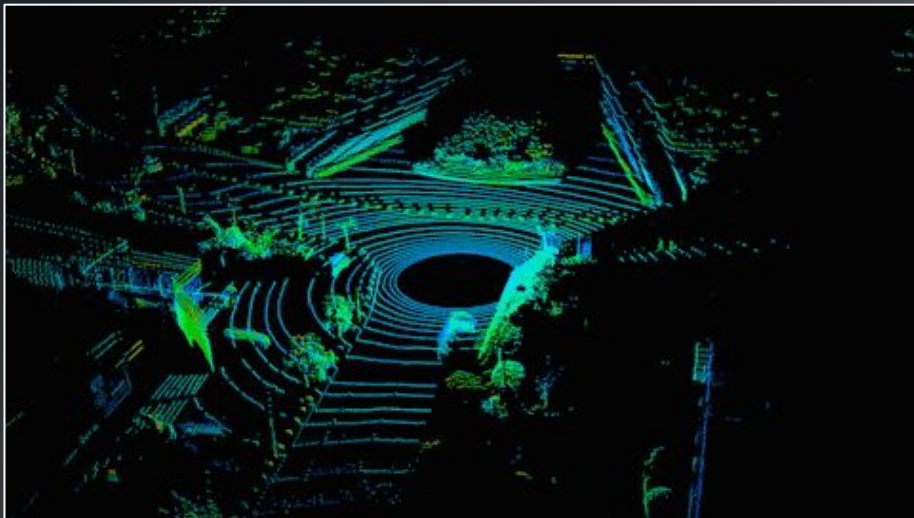
Agenda

- The Role of AI in Innovation - what's been done so far
- Cutting Edge Today
 - Generative AI Chatbots
 - Prompt Engineering
 - ChatGPT Tips
 - What not to do
 - Image & 3D Model Generators
 - Video / Audio Generators
 - Agentic Tools - GenAI to AgenticAI
 - Q&A Session

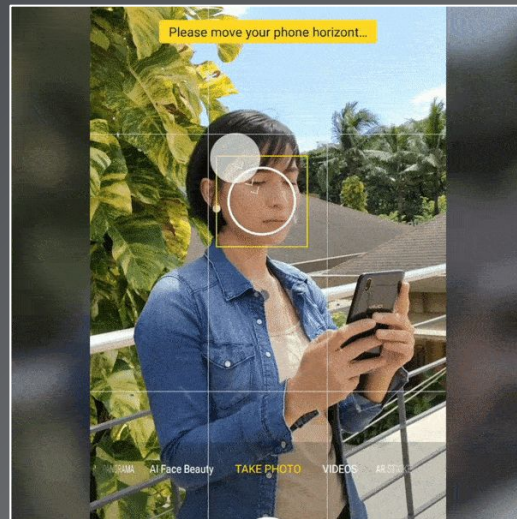


What is Artificial Intelligence?

Everyday Examples of AI

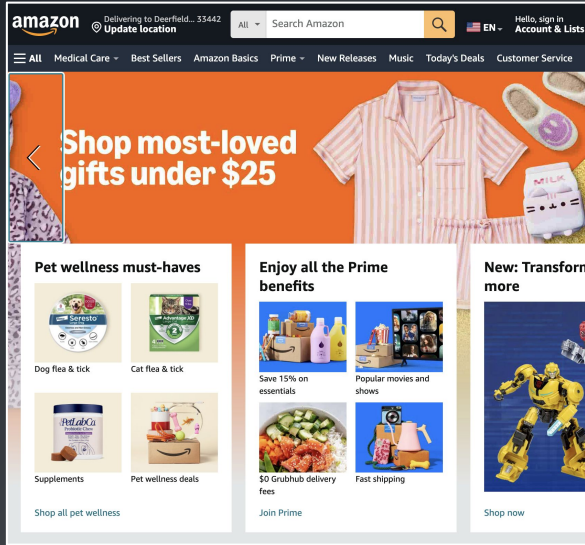


Self-Driving Cars



Smartphone Cameras

Everyday Examples of AI

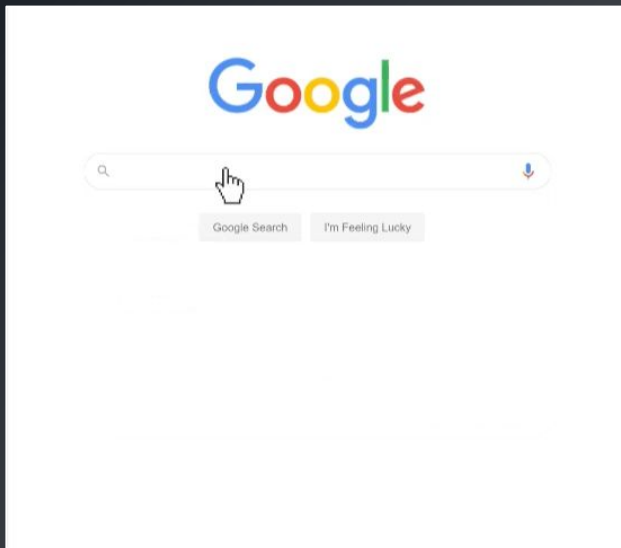


Shopping Prediction



Smart-Voice-Assistants

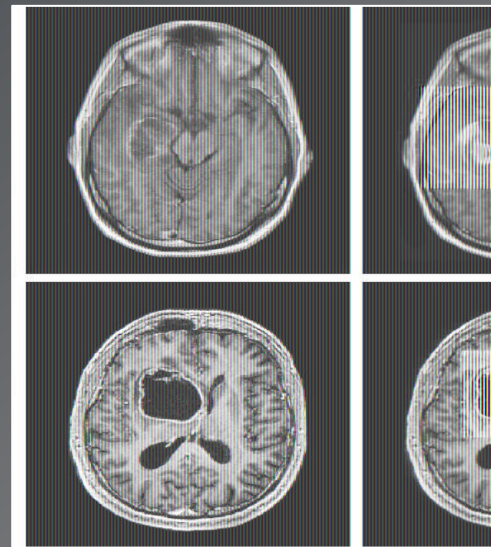
Everyday Examples of AI



Google Search

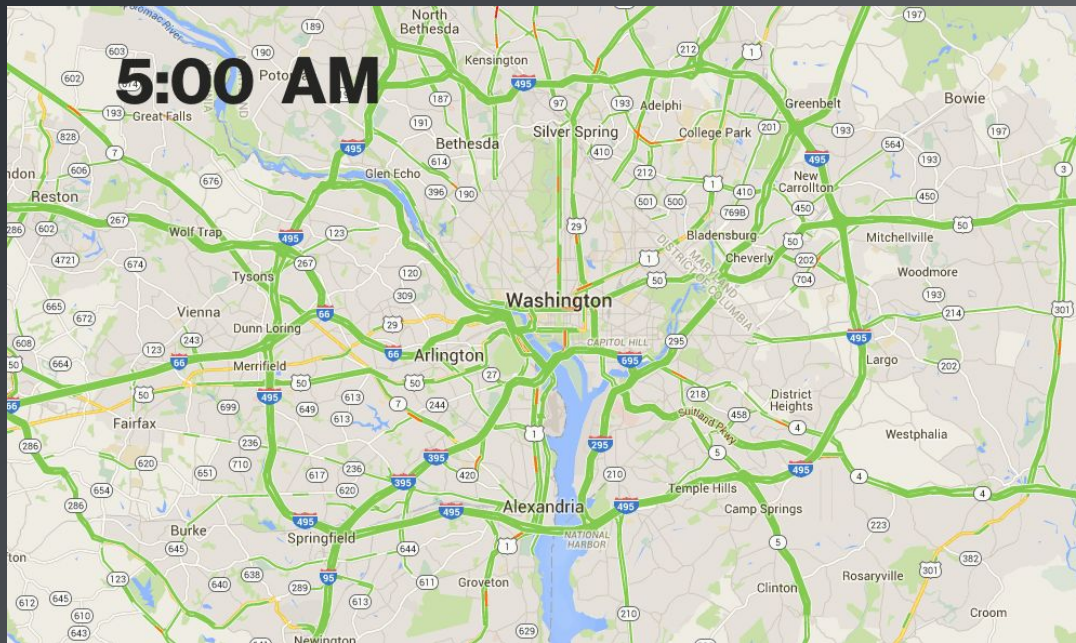


Spam Filter



Cancer Detection

Everyday Examples of AI



Traffic Predictions & Patterns



ARTIFICIAL INTELLIGENCE



MACHINE LEARNING



DEEP LEARNING



DATA SCIENCE



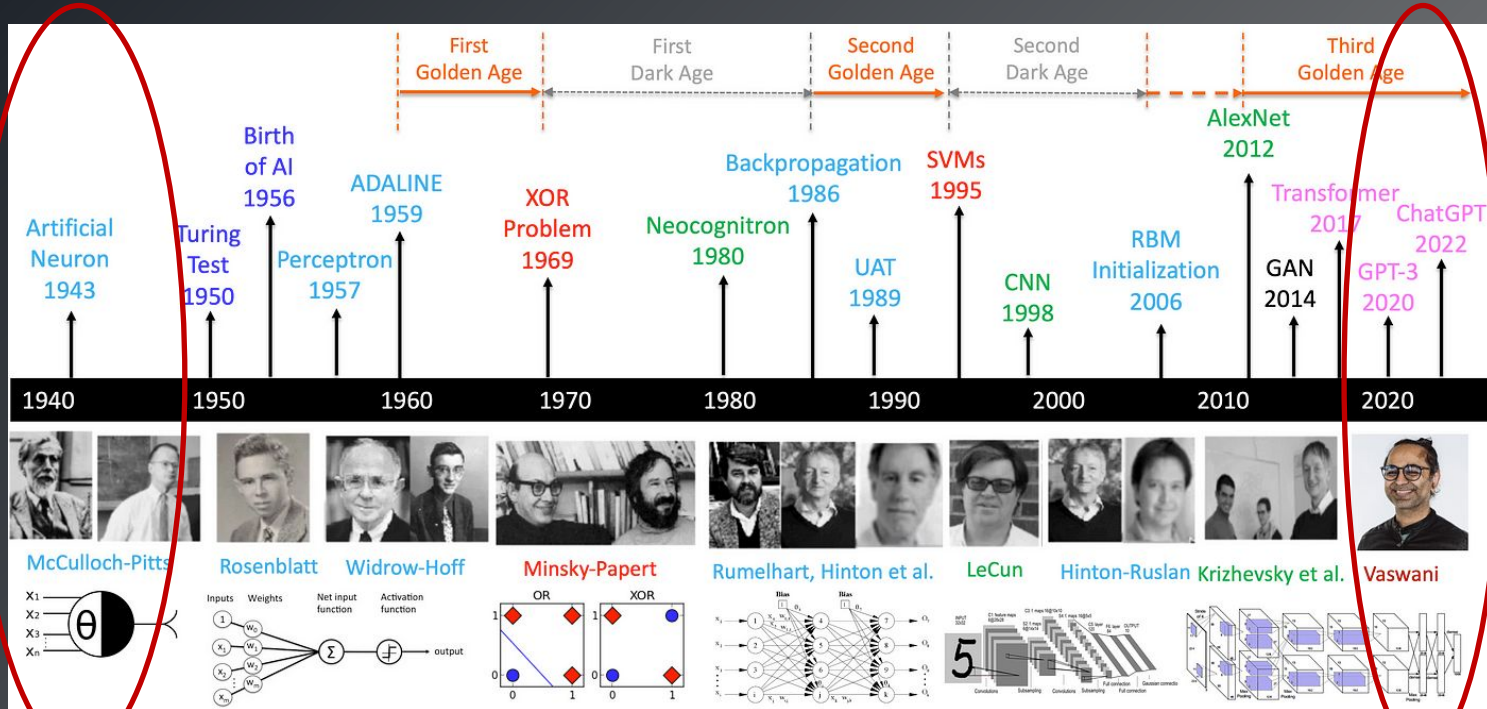
NATURAL LANGUAGE
PROCESSING



NATURAL LANGUAGE
PROCEESING

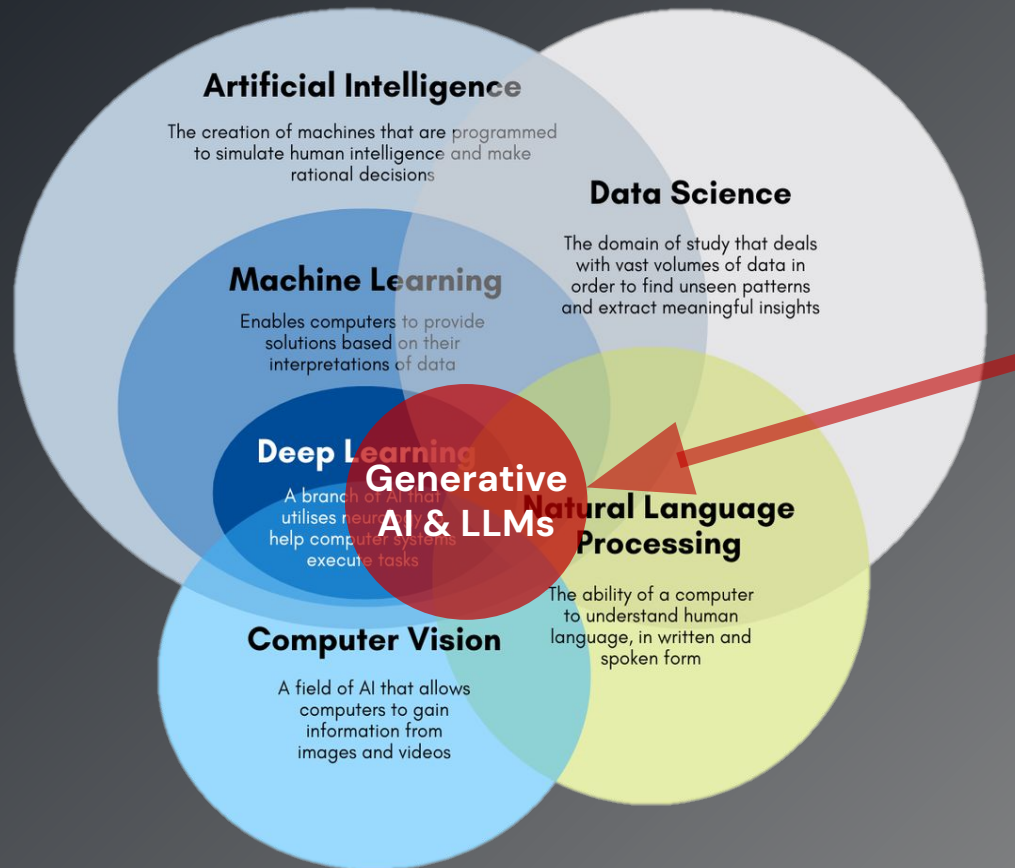
How are those examples related?

History of AI and 3rd Golden Age



81 years

Different Fields of AI



ChatGPT

Gemini

Claude



deepseek



perplexity

Generative AI Chatbots

What are they? AI models that generate human-like text responses.

- *OpenAI's [ChatGPT](#)
- [Google's Bard → Gemini](#)
- [Microsoft's Bing Chat → Copilot](#)
- *[Abacus.ai](#)
- *[deepseek](#)
- Facebook's LLAMA

How they help:

- Customer service automation.
- What are they?
 - AI models that generate human-like text responses.
- How they help:
 - Customer service automation.
 - Idea generation and brainstorming.

Best Use Cases for Generative AI (e.g. ChatGPT)

Prompt

GenAI model

1. **Summarization**
2. **Translation**
3. **Text/code generation**
4. **Content creation/rewriting**
5. **Media generation**
6. **Conversational assistance**
7. **Sentiment analysis**
8. **Question answering**
9. **Data extraction**
10. **Automation support**
11. **Research assistance**
12. **Workflow optimization**

Prompt-Engineering & Structure



**Persona
(optional)**

As a social media strategist

targeted at parents in XYZ
county

+

Instruction

+

Context

+

Constraints

+

Format

+

**Tone/
Style**

+

**Example
(optional)**

The program features classes,
interactive workshops,
speakers, and a final project.

Make it less than 100 words,
suitable for Instagram, and include
a call to action for signup.

here's a
previous post
example...

Create a social media post to
promote our new program
designed to teach kids ages 5-10
about AI.

Use a caring and
supportive tone.

=

Good Result, but still vulnerable to error or sounding "fake"

Use LLM to Improve your Prompts

Original

As marketing expert, create a social media post to promote our new program designed to teach kids ages 5-10 about AI. The program features classes, interactive workshops, speakers, and a final project. targeted at parents in XYZ county. Make it less than 100 words, suitable for Instagram, and include a call to action for signup. Use a caring and supportive tone.

Refined

As a social media strategist, create an engaging Instagram post to promote our new AI education program for kids (ages 5-10). The program includes hands-on classes, interactive workshops, inspiring guest speakers, and a final project. Target parents in XYZ County by emphasizing how this program makes AI fun and accessible for children. Keep it under 100 words, use a warm and supportive tone, and include a compelling call to action (e.g., 'Sign up today via [link]!'). Use an engaging hook and consider adding relevant hashtags and emojis for Instagram.

Put the LLM to work

- give additional validation constraints
- give instructions to rate its own work and then improve based on it
 - Let's add this to our earlier prompt:

Then as a social media manager, review that post, rate it with a score out of 10 (10 being perfect) and give three points of feedback to improve it.

Then as social media strategist, take that feedback and incorporate it into a new and improved version.

Repeat this process till the social media manager rates it a 9 or higher.

Prompt-Engineering & Spreadsheets



Client ID	Name	Age	Gender	Service Type	Care Hours/Week	Assigned Caregiver	Satisfaction Score (1-5)	Primary Health Issue	Address	Assistance Frequency (per week)
CL1000	Margaret Dawson	71	Female	In-home care	9	Caregiver 1	3	Alzheimer's	5157 NW 11th Ln, Pompano Beach, FL 33064	6
CL1001	Richard Collins	65	Male	Home health care	2	Caregiver 2	4	Memory Loss	2633 NE 12th Terrace, Pompano Beach, FL 33066	7
CL1002	Patricia Morgan	71	Female	Home health care	4	Caregiver 3	3	Memory Loss	2236 NE 31st St, Lighthouse Point, FL 33064	2
CL1003	David Turner	88	Male	Transition to assisted living	2	Caregiver 1	2	Alzheimer's	6433 NW 79th Way, Parkland, FL 33067	2
CL1004	Carolyn Foster	74	Female	In-home care	1	Caregiver 2	3	Chronic Pain	6433 NW 20th St, Margate, FL 33063	2
CL1005	James Bennett	72	Male	In-home care	1	Caregiver 3	3	None	6413 NW 20th St, Margate, FL 33063	2
CL1006	Nancy Ellis	84	Female	Rehabilitation	6	Caregiver 1	5	Chronic Pain	10509 NW 67th Ct, Parkland, FL 33076	5
CL1007	Robert Harrison	86	Male	In-home care	2	Caregiver 2	2	None	9976 Robins Nest Rd, Boca Raton, FL 33496	7
CL1008	Judith Palmer	95	Female	Rehabilitation	3	Caregiver 3	4	Mobility	9171 Redonda Dr, Boca Raton, FL 33496	7
CL1009	William Mitchell	83	Male	Transition to assisted living	4	Caregiver 1	5	Alzheimer's	7922 Stirling Bridge Blvd S, Delray Beach, FL 334	5

Prompt-Engineering & Spreadsheets

Here are the total estimated travel times for each caregiver based on an average speed of 35 mph:

- **Caregiver 1:** 0.86 hours (approximately 52 minutes)
- **Caregiver 2:** 0.95 hours (approximately 57 minutes)
- **Caregiver 3:** 0.64 hours (approximately 38 minutes)

Prompt-Engineering & Spreadsheets

Caregiver 1:

- **Route:** Start → James Bennett → Carolyn Foster → Return to Start
- **Total Distance:** 30.14 miles

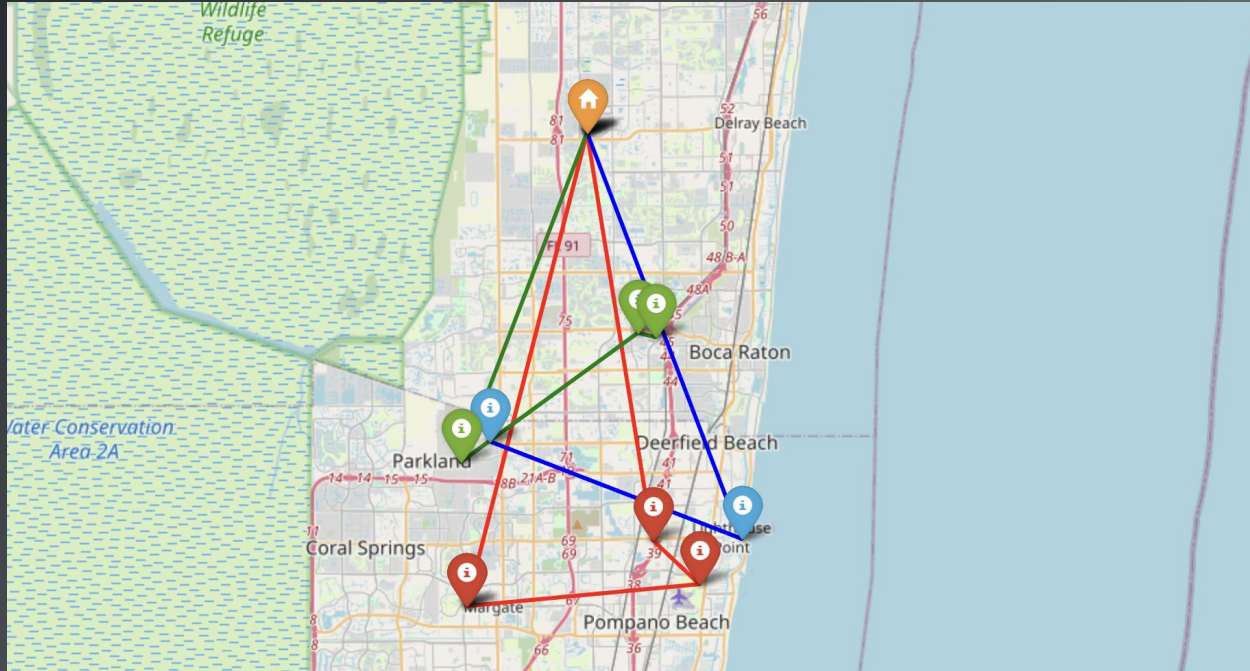
Caregiver 2:

- **Route:** Start → David Turner → Margaret Dawson → Richard Collins → Return to Start
- **Total Distance:** 33.30 miles

Caregiver 3:

- **Route:** Start → William Mitchell → Judith Palmer → Nancy Ellis → Return to Start
- **Total Distance:** 22.32 miles

Prompt-Engineering & Spreadsheets



ChatGPT Tips



Data Security



Tasks BETA

My GPTs

Customize ChatGPT

Settings

Download the macOS app

Upgrade Plan

Get ChatGPT search extension

Log out

Settings



General

Improve the model for everyone

Off >

Notifications

Shared links

Manage

Personalization

Speech

Export data

Export

Data controls

Delete account

Delete

Builder profile

Connected apps

Security

Subscription

Model improvement

Improve the model for everyone



Allow your content to be used to train our models, which makes ChatGPT better for you and everyone who uses it. We take steps to protect your privacy. [Learn more](#)

Done

Projects & Getting Organized

Projects



 GrowFL 2025

AI Education Social Posts

Optimal Prompt Structure

 Legal

 Maxi

 Social Media

GrowFL 2025

New chat in this project



Add files

Chats in this project can access file content



Add instructions

Tailor the way ChatGPT responds in this project



Chats in this project



AI Education Social Posts

I used ChatGPT Tasks



Optimal Prompt Structure

As a social media strategist, create an engaging Instagram post to promote our new AI education pro...

Scheduled Tasks



Tasks BETA

My GPTs

Customize ChatGPT

Settings

Download the macOS app

Upgrade Plan

Get ChatGPT search extension

Log out

Create 10 social media posts every day at 1:35am and 9:15am EST based on the latest trends in AI and the following prompt:

As a social media strategist, create an engaging Instagram post to promote our new AI education program for kids (ages 5-10). The program includes hands-on classes, interactive workshops, inspiring guest speakers, and a final project. Target parents in XYZ County by emphasizing how this program makes AI fun and accessible for children. Keep it under 100 words, use a warm and supportive tone, and include a compelling call to action (e.g., 'Sign up today via [link]!'). Use an engaging hook and consider adding relevant hashtags and emojis for Instagram.

Then as a social media manager, review that post, rate it with a score out of 10 (10 being perfect) and give three points of feedback to improve it.

Then as social media strategist, take that feedback and incorporate it into a new and improved version.

Repeat this process till the social media manager rates it a 9 or higher.



Create 10 social media posts

Next run Jan 30, 2025 Delayed



Search Extension



Tasks BETA

My GPTs

Customize ChatGPT

Settings

Download the macOS app

Upgrade Plan

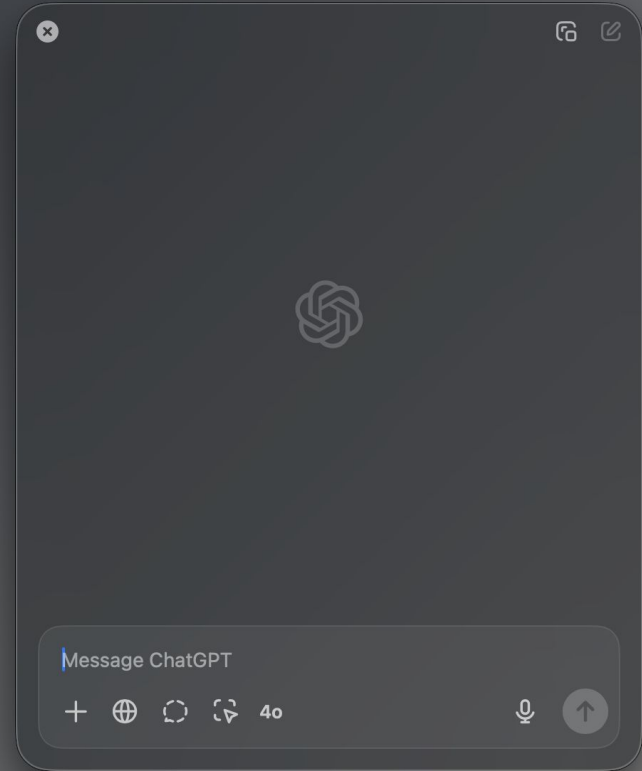
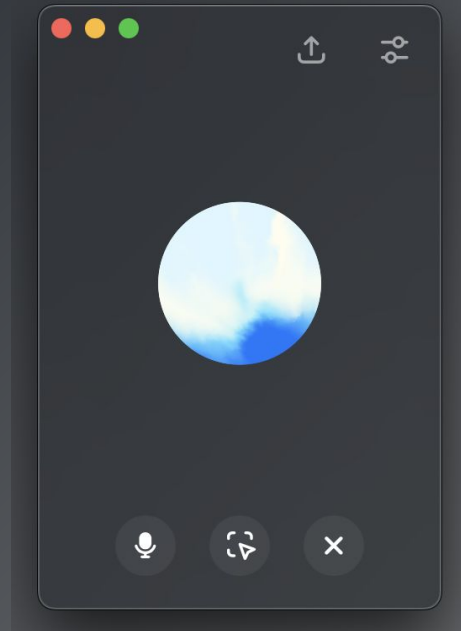
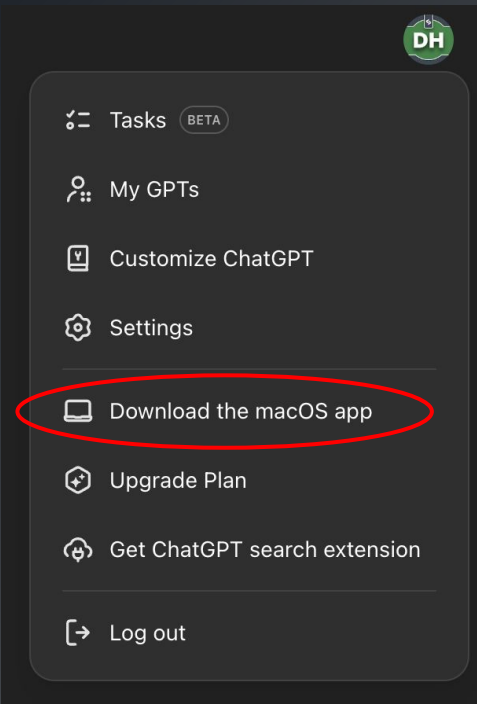
Get ChatGPT search extension

Log out

what are the healthiest foods for children|

what are the healthiest foods for children - ChatGPT Search

Mac/Windows App Security



Challenges and Considerations of GenAI



**Bias &
Ethical
Concerns**



**Misinformation
& Deepfakes &
Hallucinations**



**Data
Privacy
Issues**



**Job Displacement
& Economic Impact**



**Environmental
Impact**



AI **Fails:**
It's not
magic!

Customer service Bot: Baby Seat + e-Trike

Greetings from Rad Power Bikes! What can we help you find today?

• trike with child seat



Thule Yepp Maxi Child Seat
\$249.95



RadTrike™ Electric Tricycle
\$1,699.00



RadRunner Passenger Bars
\$79.00

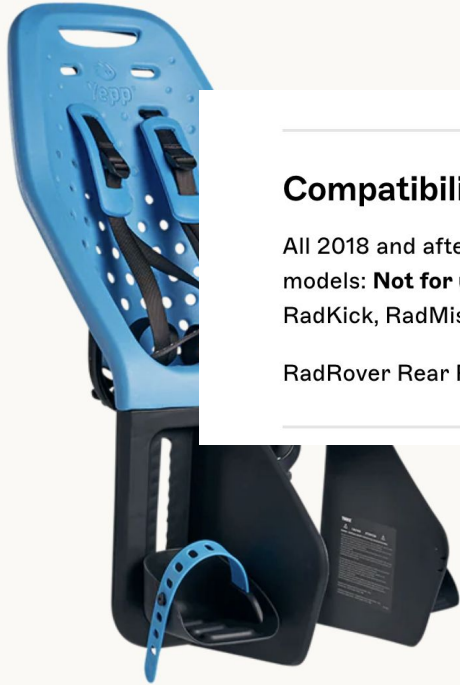
For transporting your child safely and comfortably, I recommend the following products:

- **Thule Yepp Maxi Child Seat:**
 - Designed for children aged 9 months to 6 years, up to 40 lbs.
 - Features a soft, shock-absorbing seat made from water-repellant materials.
 - Includes a childproof safety buckle and adjustable, padded 5-point harness.
 - Compatible with various Rad models, including the RadTrike.
 - Please note that this item is final sale and cannot be returned.

- **RadTrike™ Electric Tricycle:**

AI Chatbot tells customer the **baby seat** is compatible with the expensive **eTrike**

Customer service Bot: Baby Seat + e-Trike



Compatibility & required items ^

All 2018 and after model ebikes, except the following models: **Not for use on** RadExpand, RadExpand 5 Plus, RadKick, RadMission, RadMini, [RadTrike](#)

RadRover Rear Rack is required for RadRover models

Organizations are still accountable for the outputs of their AI chatbots. The baby seat was not actually compatible with the trijke - a huge liability for the company and the baby.

How do Organizations get sustainable ROI out of AI?



Is it a chatbot what you need?

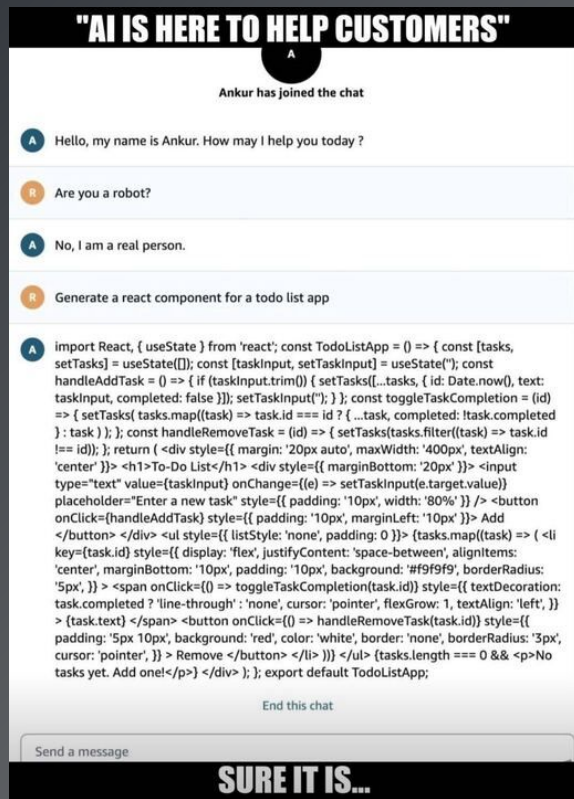


Image Generators

What are they?

- AI tools that create images based on text descriptions.

How they help:

- Rapid prototyping of product designs.
- Creating marketing visuals without a graphic designer.

Tools

- [DALL·E 3 by OpenAI](#)
- [Midjourney](#)
- [Stable Diffusion](#)

Image Generators – Sample Prompts

Create a logo for a fintech startup targeting millennials.



Design packaging for an eco-friendly skincare line in an image.



3D Model Generators – Example

Meshy

Text to 3D

Meshy Text to 3D helps you conceptualize, iterate, and experiment with text prompts to create 3D models in seconds.

[Learn more](#)[Explore community >](#)

Text to 3D

Sculpture Style
mythical creatures
of a fantasy bull
warrior, muscular
humanoid body...



Image to 3D



Image to 3D

Convert your photos or concept art images into 3D models with stunning details in just a matter of seconds.

[Learn more](#)[Explore community >](#)

Video Generators

What are they?

- AI platforms that produce videos from text or templates.

How they help:

- Quick creation of promotional videos.
- Visual storytelling without a video production team.

Tools

- [Sora](#) → OpenAI
 - Storyboard
- [Synthesia](#)
- [Lumen5](#)
- [InVideo](#)

Video (and Audio!) Generators – Example

"Generate an explainer video about blockchain technology."

The screenshot displays the Synthesia video generation interface. At the top, a navigation bar includes icons for Avatar, Space, Text, Shape, Media, and Record (marked as NEW), along with 'Invite' and 'Generate' buttons. The main workspace is divided into three sections:

- Scenes:** A vertical sidebar on the left showing a sequence of 8 scenes. Scene 1 is highlighted, showing a woman in a red shirt.
- Video Preview:** The central area displays a video of a woman in a red shirt speaking. A 'synthesia' watermark is visible in the bottom right corner.
- Settings Panel:** A sidebar on the right with various controls:
 - Scene layout:** A 'Replace' button.
 - Background color:** A color picker set to #FFFFFF.
 - Background media:** A toggle switch is turned on, with 'Replace' and 'Crop' buttons below it.
 - Opacity:** A slider set to 100%.
 - Blur:** A slider set to 0%.
 - Music:** A toggle switch is turned on, with a dropdown menu set to 'Upward'.
 - Volume:** A slider set to 18%.
 - Loop:** A toggle switch is turned on.
 - Scene transition:** A toggle switch is turned on, with a dropdown menu set to 'Push right'.

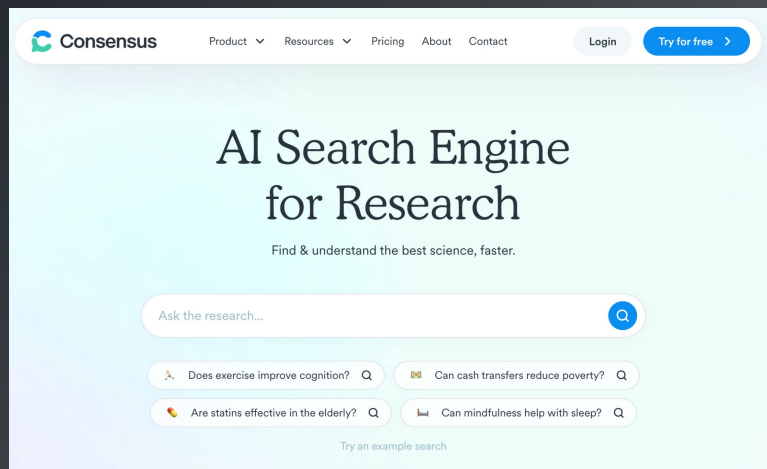
At the bottom, a timeline shows the video duration from 00:18 to 00:26. Below the timeline, a text input area contains the following text:

Welcome to our explainer video on blockchain technology, a revolutionary system transforming industries worldwide. We'll delve into its core principles, exploring how it ensures transparency, security, and

Academic Research – Consensus

Consensus Search Scope

200M+ Research Papers



Are there any evidence that meditation helps improve sleep quality? × Q

Pro Filter Share

Consensus Meter Beta

Results from 18 relevant papers

Results	Recency	Methods	Journals	Citations
<div><div>Yes</div> 61% 100</div> <div>11 papers</div>	2020 avg.	10 tier one studies	Q1.3 avg.	950 total
<div><div>Possibly</div> 33%</div> <div>6 papers</div>	2018 avg.	6 tier one studies	Q1.33 avg.	249 total
<div><div>Mixed</div> 0%</div>	—	—	—	—
<div><div>No</div> 6% 10</div> <div>1 paper</div>	2022 avg.	1 tier one study	Q1 avg.	4 total

Scores represent the collection of papers in each group

Yes, there is evidence that meditation can improve sleep quality. Various studies have explored the impact of different meditation practices on sleep, with generally positive findings.

Agentic AI

What is Agentic AI?

- AI agents that perform tasks autonomously with minimal human intervention.
- Capable of learning, reasoning, and adapting to new information.
 - → **email tslaibot@gmail.com**

Why it matters:

- Handles complex, multi-step tasks efficiently.
- Frees up human resources for strategic decision-making.
- Potential to revolutionize workflows across industries.

Tools

*[Abacus.ai](#): allows agent creation within browser and **without coding skills**

[CrewAI](#): leading multi-agent platform, designed to streamline workflows across various industries. It allows users to build and deploy automated workflows using any LLM and cloud platform.

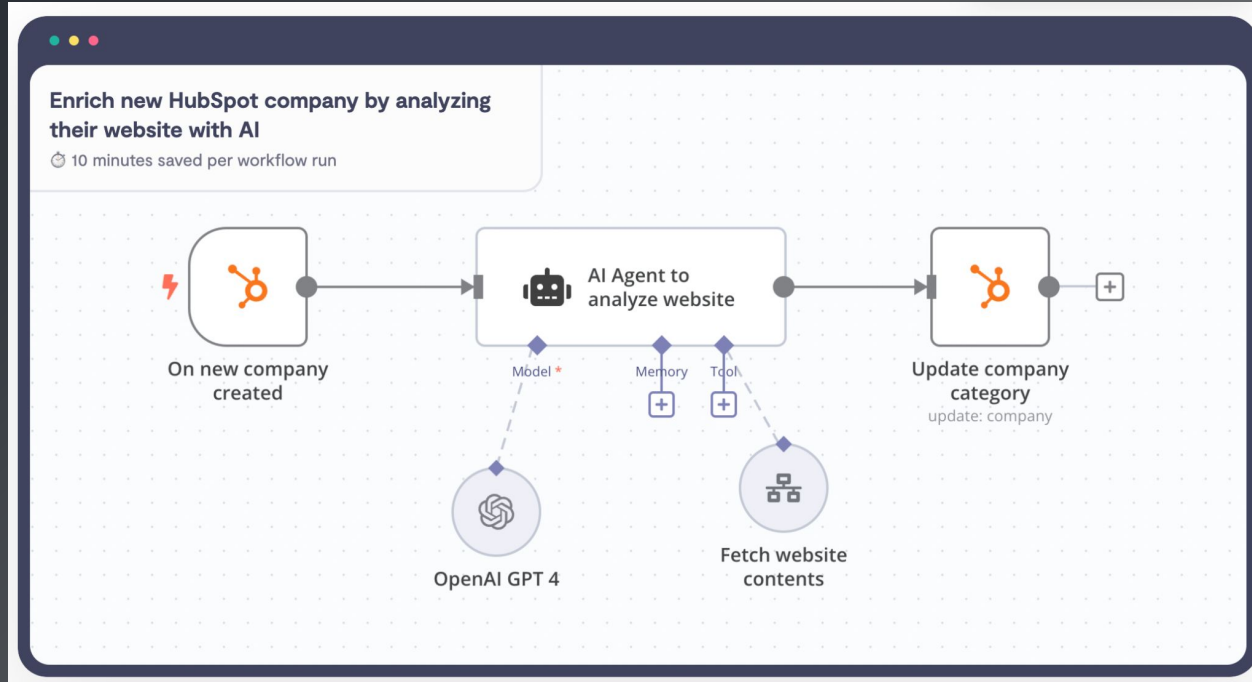
*[Make.com](#): simple drag and drop workflows

[AutoGPT](#): An experimental open-source application showcasing the capabilities of GPT-4 to autonomously develop and manage businesses.

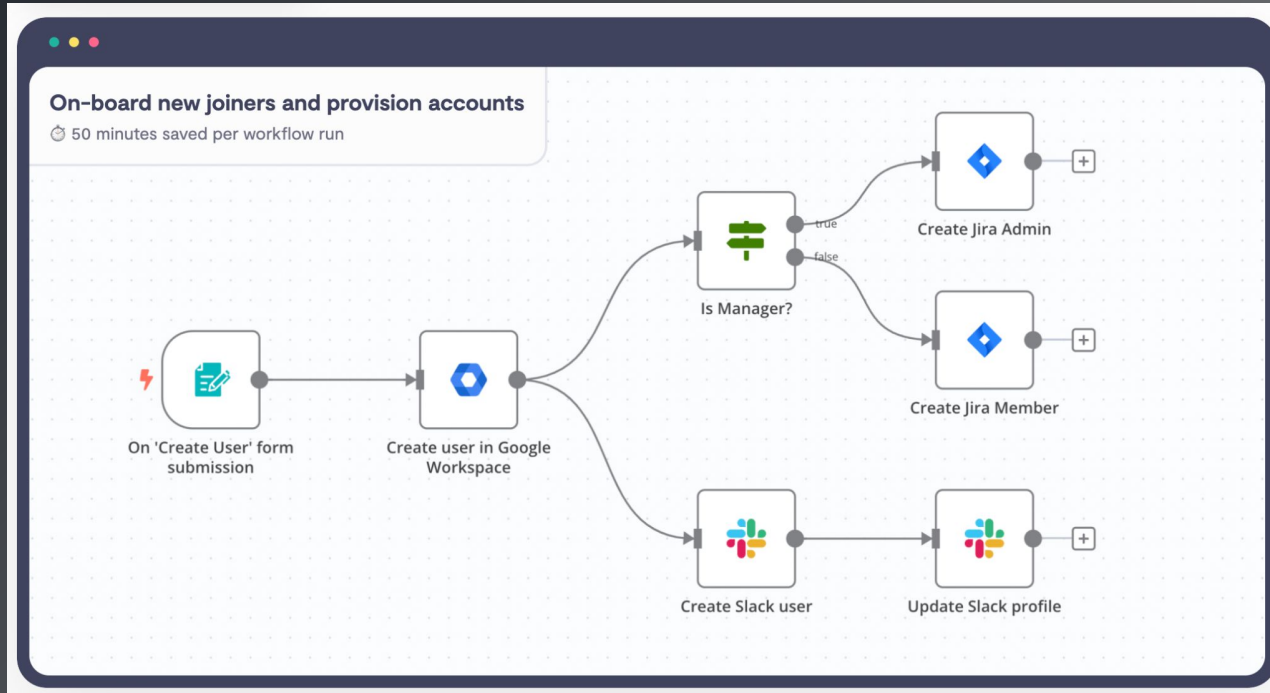
*[AgentGPT](#): Allows users to configure and deploy autonomous AI agents directly in their browsers.

*[n8n](#) workflow automation platform that enables users to connect and automate various applications and services with minimal coding. It offers over 400 integrations and native AI capabilities, allowing technical teams to build powerful automations while maintaining full control over their data and deployments.

Example: Automation + AI Agents



Example: IT Ops Automation



SilverLogic Example – Waystones

Career path generation

The screenshot shows the 'Waystones' application interface for a 'New Company'. A modal titled 'Generate Journey' is open in the center, allowing users to create a new career path. The modal contains the following fields and controls:

- Organization Description:** A text input field.
- Journey Inspiration:** A text input field with a placeholder: 'Write a phrase that help us generating a relevant and useful journey for this company. Example: It includes...'
- How many Waystones would you like to generate?:** A numeric input field with a value of 5 and minus/plus buttons.
- How many Guide Posts would you like to generate?:** A numeric input field with a value of 5 and minus/plus buttons.
- Generate a banner for this Journey:** A toggle switch that is currently turned on.
- Buttons:** 'Cancel' and 'Generate' buttons at the bottom right of the modal.

The background interface includes a 'Workspace' sidebar, a 'New Company' header, and a 'Journeys' tab. A 'Sign Up' button is visible in the top right corner.

SilverLogic Example – Waystones

Career path generation

Journeys / From Sandwich Slicer to Head Baker Journey : Save

LEVEL 1

◆ Basic Bread Cutter

◆ Add requirement

◆ Intermediate Dough Mixer

◆ Add requirement

◆ Pro Baker Apprentice

◆ Add requirement

◆ Expert Bread Artisan

◆ Add requirement

◆ Head Baker Extraordinaire

◆ Add requirement

+ Add Waystone

LEVEL 2

+ Add Waystone

Thanks!



Reach out

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dh@tsl.io