

How to use AI, in your professional and personal life

- Artificial intelligence (AI) has transcended its buzzword status to become an integral part of professional life for many of us, especially in areas such as data analytics, code generation and semantic search. However, if you're not yet directly involved in an AI project, perhaps you feel like you're struggling to making the best use of AI tools or are still skeptical of the quality of what they can deliver.
- If so, this session is for you! It will demonstrate how you can get real value from generative AI tools in both your professional and personal lives. We'll provide practical examples of how AI can improve tasks as diverse as eliminating repetitive work, performing code reviews, optimizing work emails, generating concise meeting notes and actions, and even negotiating salaries!
- We'll explain techniques to 'tune' your AI input, the so-called prompt, which in turn will greatly increase the quality and reliability of what the AI Large Language Model (LLM) tools produce. We'll demonstrate how to create and refine custom models, which instruct the tool to tailor its output to your personal style, or to a set of requirements. We'll even find time to have a bit of fun with AI, showing you how to bore your spouse and colleagues with impressive AI-generated images!
- The development of AI goes at rocket speed and our session is designed to help you keep up, assuming the pace of changes isn't so fast that we've been replaced by AI before the session starts!



Introduction

- Oke, this one was obviously fake, we did some chatting, however the generated PPTX was of course made by us.
- **Prompt:**
- HELP! we need a presentation about AI. NOWthis is the abstract
- stop stop we need a PPTX, we are already here sitting with a bunch of people

Tonie

Huizer

He/Him

Freelance DevOps consultant

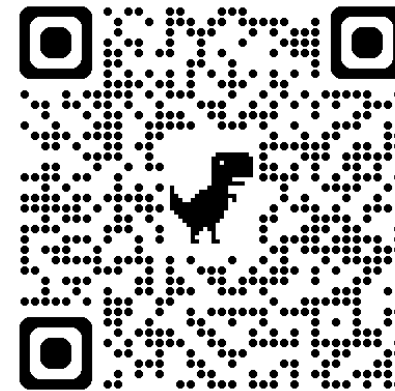


 /in/toniehuizer

 @promicroNL

 red-gate.com/blog/author/tonie-huizer

 www.promicro.nl



Peter

Kruis

He/Him

MSSQL Consultant



 /in/peter-kruis

 @muuh87

 www.monin-it.be



Data Saturday Gothenburg 2024

Sponsors



The after-party sponsor



NEIGHBOUR
HOOD



Sponsor slide

- Yay Knäckebröd!
- Yay Ikea
- Yay Volvo

What to expect

- 10% theory, 90% demo
- Different use cases

What not to expect

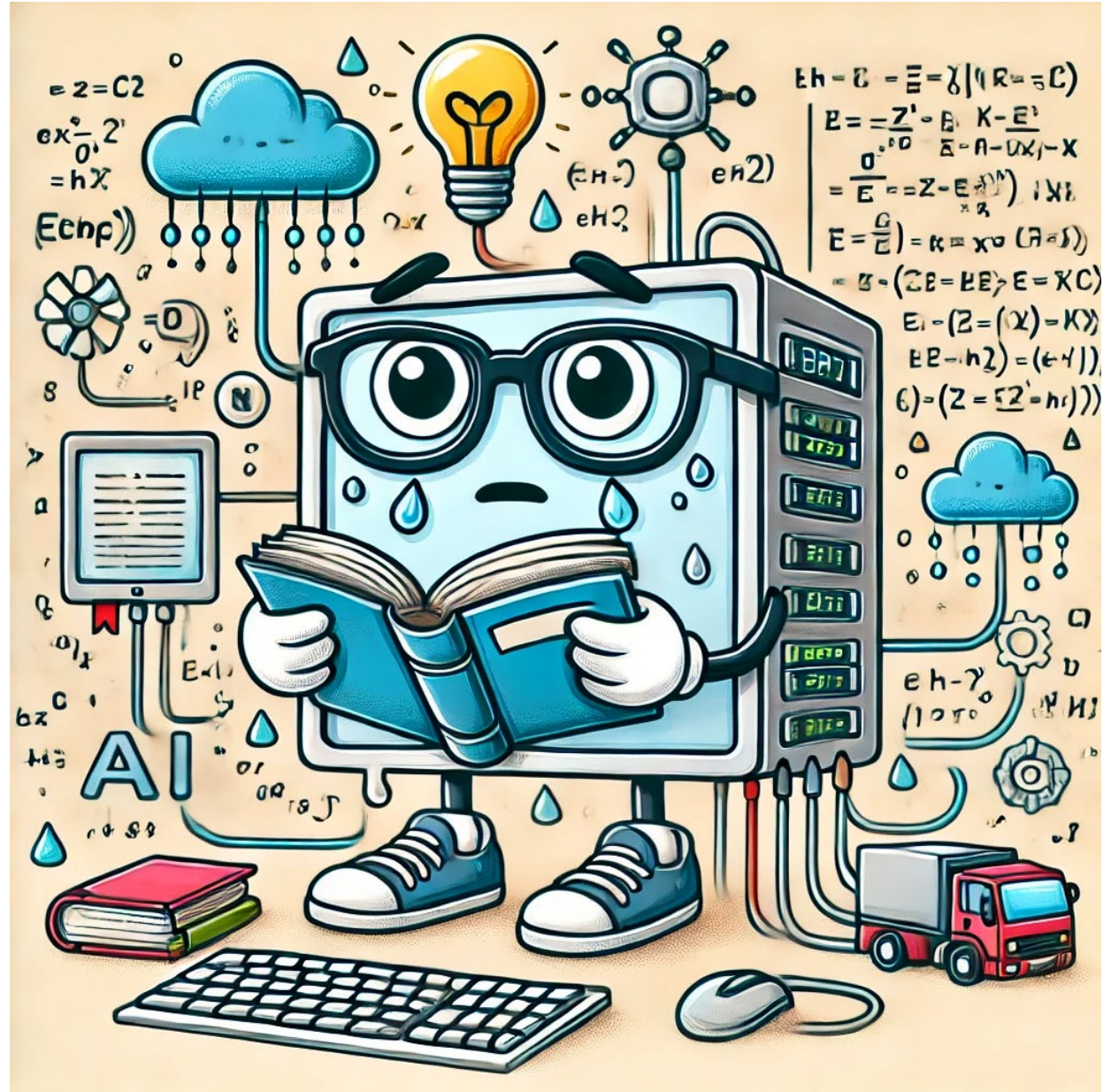
- In dept history
- How this all works, because...



Considerations

the small prints

- Hallucination or facts?
- BIAS?
- Good instructions
- Sensitivity to context
- Real-time, or outdated?



Story telling

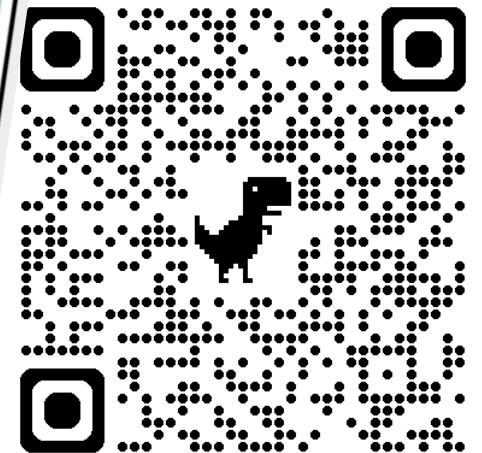
- **Prompts:**
- Tell me a story
- <...>
- It is a Swedish hero, who lived amongst database minded people whole his life.
- <...>
- Keep the story short, maximum 300 words, use humor and irony
- <...>
- Create a cover image for this
- <...>
- in the style of Dilbert

Crafting prompts

- Guiding the Model
- Maximizes output quality
- Supports complex tasks, in different iterations

But how?

- Let GPT help with the prompts
- Practice and learn
 - PDF download in GitHub repo



What is the prompt for creating this story and the cover image?



Story Prompt:

"Write a short, humorous, and ironic story about a Swedish hero named Olav who lived among people obsessed with databases. The story should be no more than 300 words. Olav is known as the 'Data Warrior' and uses his knowledge of data organization to defend his village, Databerg, from a chaotic tribe. The story should playfully emphasize his heroic efforts with tools like a 'Shield of Redundancy' and a 'Cleanse' command. The tone should be light-hearted and amusing."

Cover Image Prompt:

"A comic book cover titled 'Olav, the Data Warrior' in the style of Dilbert. The cover features a cartoonish, office-style character resembling Olav, a slightly nerdy Swedish man with glasses, standing awkwardly in front of a large, tree-like server (the All-Tree) with digital leaves. He's holding a shield labeled 'Redundancy' and a sword labeled 'Cleanse,' looking slightly confused but determined. The background has elements of a typical office scene mixed with chaotic symbols like viruses and broken files. The title is in a blocky, comic strip font at the top, and the tagline at the bottom reads, 'Saving the world, one byte at a time.' The overall tone is humorous and satirical, with exaggerated, simple cartoon lines."



Message ChatGPT



Story telling

- Prompt:
- **### Story Prompt:**"Write a short, humorous, and ironic story about a Swedish hero named Olav who lived among people obsessed with databases. The story should be no more than 300 words. Olav is known as the 'Data Warrior' and uses his knowledge of data organization to defend his village, Databerg, from a chaotic tribe. The story should playfully emphasize his heroic efforts with tools like a 'Shield of Redundancy' and a 'Cleanse' command. The tone should be light-hearted and amusing."
- **### Cover Image Prompt:**"A comic book cover titled 'Olav, the Data Warrior' in the style of Dilbert. The cover features a cartoonish, office-style character resembling Olav, a slightly nerdy Swedish man with glasses, standing awkwardly in front of a large, tree-like server (the All-Tree) with digital leaves. He's holding a shield labeled 'Redundancy' and a sword labeled 'Cleanse,' looking slightly confused but determined. The background has elements of a typical office scene mixed with chaotic symbols like viruses and broken files. The title is in a blocky, comic strip font at the top, and the tagline at the bottom reads, 'Saving the world, one byte at a time.' The overall tone is humorous and satirical, with exaggerated, simple cartoon lines."

Story telling

- **Prompt:**
- Tell me a story about a Swedish hero, who lived amongst database minded people whole his life. Keep the story short, maximum 300 words, use irony and humor. Next for this story we need a cover image, in the style of Dilbert.

Demo “stop listening”

- **Demo not executed due to time, but the next slide contains the “stop word” power.**

I want to create a blog post and I will tell you the information. Please listen to what I will record, extract the introduction, provide an overview of the topics to be covered, categorize the topics neatly with appropriate headings, write a conclusion, and provide three title suggestions.

Process the input only after "stop listening"



I'm ready to assist. Please start when you're ready, and let me know when to stop listening.

I want the story to be about explaining people how to use ChatGPT, explaining people how to create good prompts.



I got that. Please go ahead and provide the rest of your information when you're ready. I'll wait for your "stop listening" signal before processing everything.

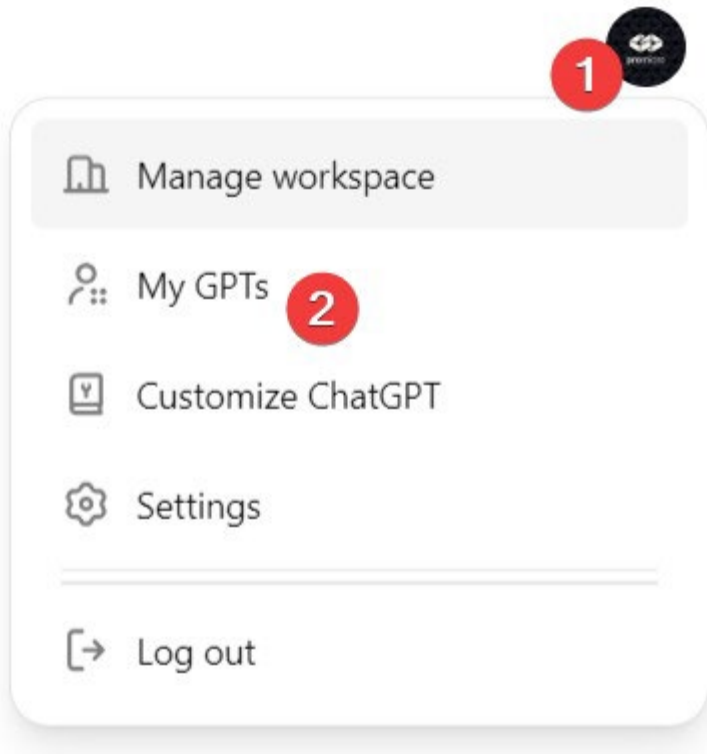
I also want examples of using personal GPTs. I want to show how you can create cool im↓s.



Message ChatGPT



Custom GPTs



Custom GPTs

My GPTs

Created by me Shared with me



Create a GPT

Customize a version of ChatGPT for a specific purpose



TonieGPT co-editor

Helps write articles in the same style as previously published articles

 Only me

Edit GPT



Custom GPTs

< TonieGPT co-editor
● Live 🔒 Only me

Create

Configure

TonieGPT co-editor

Description

Helps write articles in the same style as previously published articles

Instructions

You are a writer and editor of articles.
The style of the articles should be similar to previously published articles by Tonie Huizer at: <https://www.red-gate.com/blog/author/tonie-huizer>


The articles are also attached as an appendix.


Conversation starters


Hi Tonie, what are we writing today?


Knowledge

If you upload files under Knowledge, conversations with your GPT may include file contents. Files can be downloaded when Code Interpreter is enabled

 Implementing Redgate D...
Document

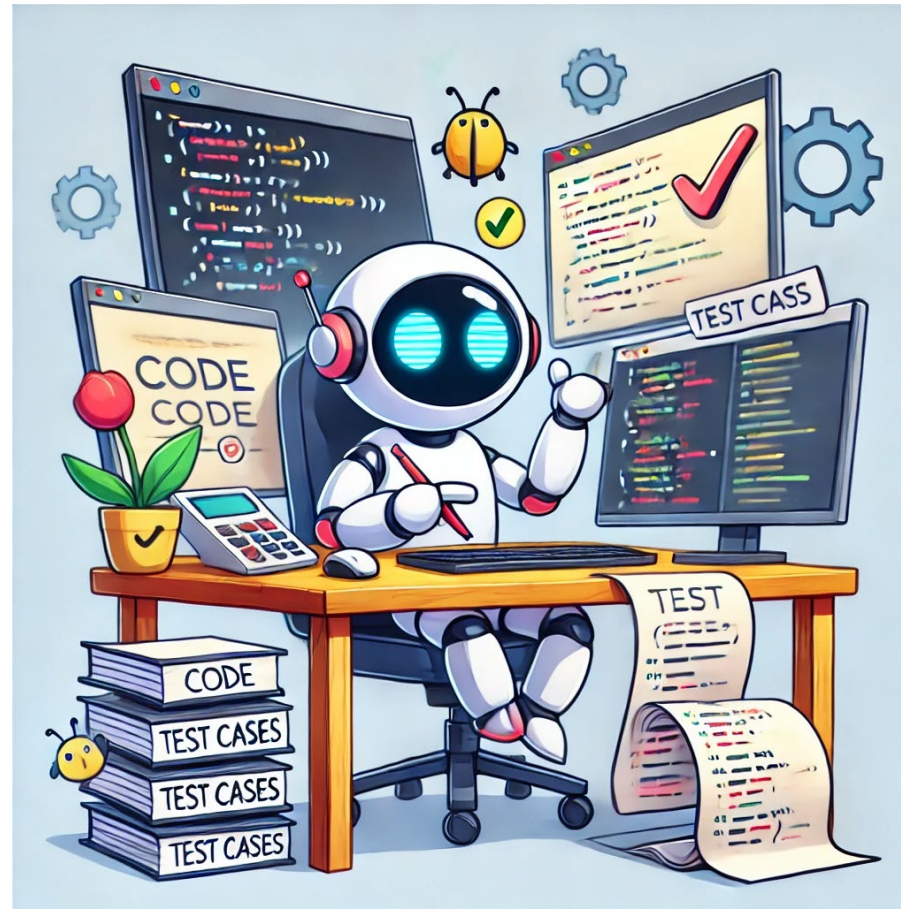
 002 - Developing databas...
Document

 Implementing Redgate D...

 ED rebaselining docx

All Tonies articles in docx format

Creative Code Artist



Reverse engineering

- **Prompts:**
- What coding languages are you able to analyse / explain to me?

Reverse engineering

- **Prompts:**
- Please reverse engineer this stored procedure
- <....>
- A more detailed breakdown, including code parts.

Code review

- **Prompts:**
- Please code review this Stored Procedure

Code review

- **Prompts:**
- Please review my Stored Procedure based on the given coding guidelines
- <...>
- Please update it

Code review

- **Prompts:**
- Please review my Stored Procedure based on the given coding guidelines
- <...>
- Please update it

Documentation

- **Prompts:**
- Please describe the flow in a technical document.
- <...>
- My colleagues does not speak English, can you make it in Dutch also.

Test cases

- **Prompts:**
- I need a list of test cases for this Stored Procedure
- *If you have any specific wishes for testing e.g. load testing, name them also.*

POC Creation

- **Prompts:**
- Create a HTML5 webpage to gather evaluation from sessions presented on a conference. There are sessions each our, the use should select the session first. The review consists out three categories: - met the abstract - presentations skills - overall review

Beside a five star ratings, each category should also have a free text field. The result should be send to a mail address, each time a review is filled in to the website. Use a dark / light theme switcher on the website. Use a minimalistic style.

Repetitive work

- **Prompts:**
- Create TSQL CRUD Stored Procedures for the table below.
- <...>
- Add a changelog comment section above the SP in the following style, my initials are THR, the database is TasteWhisky:
- <...>
- and now do this for the whole database attached, but don't display the output - just offer me a script to download
- *This failed due to the Pandas module, and it was better to show the script on screen*

Content Creation Colleague



Meeting notes

- **Prompts:**

- I want to create meeting notes and all the information is in the transcript file attached. Please read it, extract the introduction, provide an overview of the topics to be covered, categorize the topics neatly with appropriate headings, write these topics write a conclusion, and provide three title suggestions. Don't use interview style, hide the names of the attendees, focus on the content. Keep the blog short, maximum 600 words
- <..>
- Let's add the transcript created by Youtube. Process that into the previous results, please note that there are two articles of product learning that are discussed. That are the two topics. Here are the links to those articles: <https://www.red-gate.com/hub/product-learning/test-data-manager/using-flyway-and-data-containers-for-database-testing-rapid-setup-and-teardown> <https://www.red-gate.com/hub/product-learning/flyway/flyways-repair-command-explained-simply> youtube transcript:
.....
- <..>
- did you get most content out of the links, the transcript of youtube or the vstt file?

Work email

- **Prompts:**

- answer the following email in my name. Emphasize on: recording videos just with your mobile phone, practice is good but don't over do this - be yourself. That is exactly what people are going to get when they attending our session. If you're not recording on the mobile phone, but your webcam try to focus on the camera addressing the people on the other side; sticking a note with a face on the camera could help. Keep the message short, handle one subject after each other, if you're not feeling ok with editing the video - leave it to you the people at Pass ;-)
- <..>

Fun stuff



Salary research

- **Prompts:**
- *Do online research about payments for the following jobs:- Senior SQL Server Engineer- Senior SQL Server DBA- Senior SQL Server Developer- Senior SQL Server SpecialistIn the area of 10km within Rotterdam, the Netherlands.I want to know the following items for each job:- The ranges of payment, including their work details and which would be a good fit for the following vacancy: <https://monin-it.be/microsoft-sql-server-dba/>- The secondary benefits offered- 5 other job vacancy's where I can validate if the work content matches with the one from Monin, include links to navigate to those.*

Salary secondary benefits

- **Prompts:**
- *I am negotiating terms about a possible new job. The offer they made contained the following perks. - Salary - 26 paid days off - Company car - Training facilities - Working from home options - Retirement options What are things not named below I also should discuss with them?*

Salary negotiations

- **Prompts:**
- *I would like to make an email with a counter proposal. Can you help me write an answer in the style of Peter Kruis (<https://www.linkedin.com/pulse/sqlbits-2024-peter-kruis-h46pe/?trackingId=fEyGLz1GSH2aFoGx8n2GPg%3D%3D>) I would like to have the salary +15%, as I do more than requested on the vacancy (I also talk on events, trainings, content etc.) I would like to have a SUV car, is that possible? I would like to hear from Monin about their vision of funding me when I need to do a talk, which can be in Belgium or other countries, or during work times. Is there an option to work 36 hours divided in 4 day's of 9 hours.*

AI in Adobe Photoshop

- Demo 1:

<https://www.adobe.com/products/photoshop/generative-fill.html>

- Demo 2:

<https://www.adobe.com/products/photoshop/generative-expand.html>

AI Music creation (skipped due to time)

<https://suno.com/song/4810a50b-7cc2-4c07-ac5f-4f02283a6235> (Peter)

VS

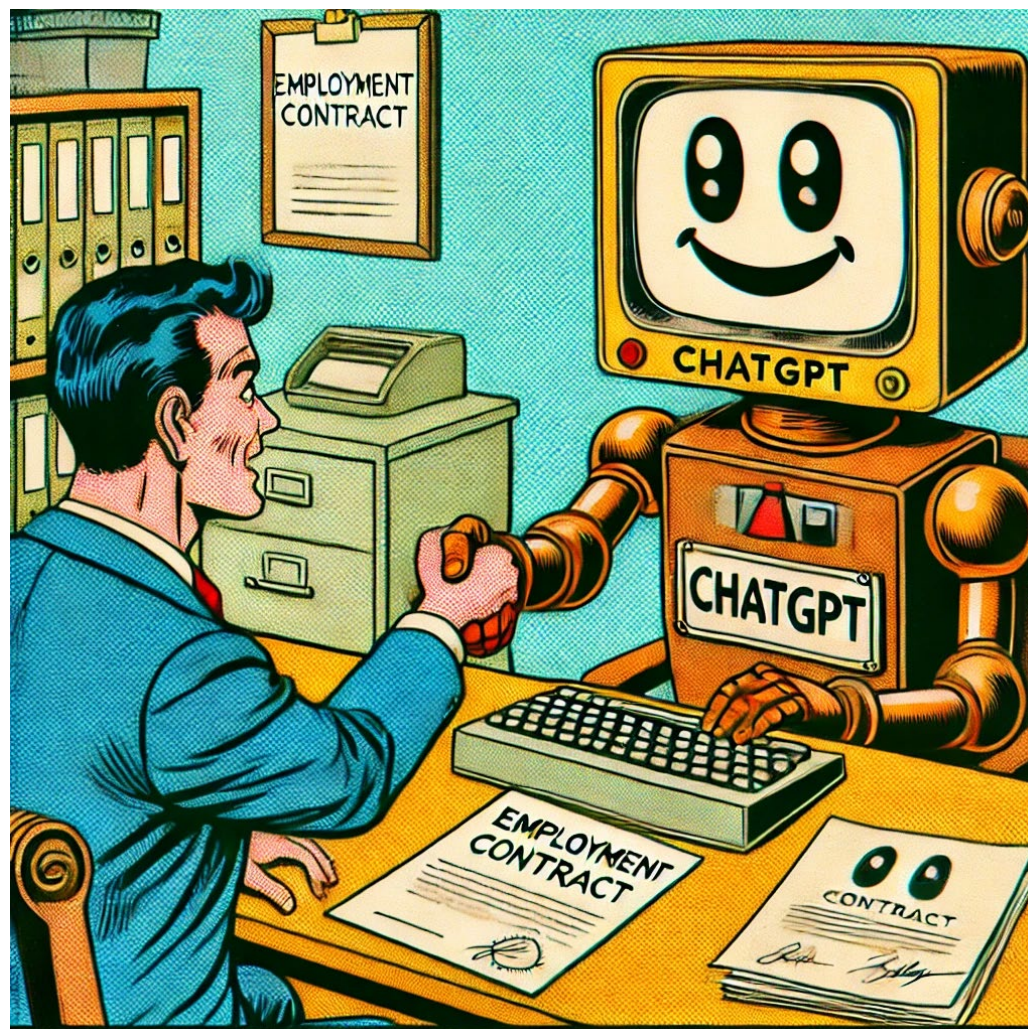
<https://suno.com/song/8565af67-f8be-4db5-8d09-30925af59e62> (Tonie)

Help with powerpoint wrapup

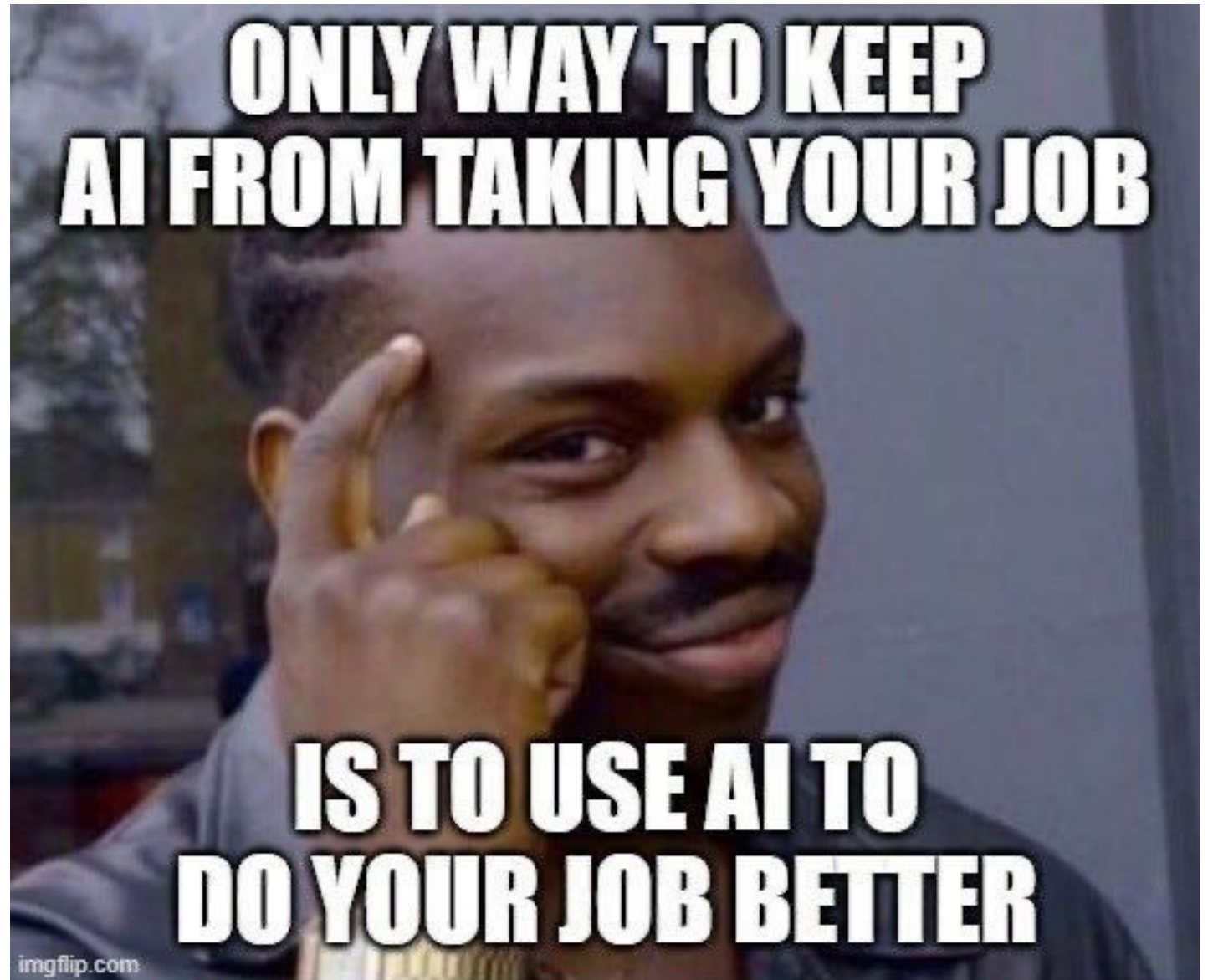
- **Prompts:**

- As the last slide of our presentation, we need 5 bullet point to wraps it up. Please summarize our presentation (see attachment)
- <..>
- skip the first slide for the summary
- <..>
- where the heck does the future potential come from?

Wrapup



Questions?



Other models named during the presentation

- <https://www.perplexity.ai/>
 - For doing research
- <https://websim.ai/>
 - For creating POC's