



- openHPI: ChatGPT: Was bedeutet generative KI für unsere Gesellschaft? -

Zusammenfassung Woche 2

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Vor allem interessant

- Open-Source Alternativen holen auf
- Angewandte Beispiele: Conversational AI, Programmierung von Snake,...
- Einblicke in fortgeschrittenes Prompt Engineering und Verketten von LLMs
- LLMs für Emails und Dokumente
- Programmieren lernen mit ChatGPT

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Vergleich open-source vs. proprietäre Modelle



Ich möchte einen Onlinekurs zu KI gestalten. Wie kann ich diesen am besten planen?



Planing is the backbone of any project to make sure you reach your goal successfully. In this case, we want to plan an online course about Artificial Intelligence (AI). Here are some steps I can suggest:

1. Define a target audience for your course by identifying their needs and skill level. This will help you tailor your content accordingly. Make sure there is interest in AI among them. If you're not sure, try reaching out to potential customers with brief questionnaires or polls. It may also be worthwhile to analyze similar courses on platforms such as Udemy, Coursera or YouTube. You should pay attention here in particular to whether they have high ratings or good reviews.
2. Select topics for your lessons and create an outline that will guide your students through the course while covering all relevant aspects of the topic. Be flexible when designing this, because during the creation of interactive elements it could turn out that parts of the schedule cannot be implemented. Your aim should be to enable learners from other schools or disciplines, who still find themselves interested, the entry-level education required. There are many popular courses currently available where the basics of mathematical models used later are introduced at university or school level, which would take several weeks or even months longer than planned. The content mustn't necessarily include this since it wouldn't apply to most people anyway and thus slow down the overall progress of the learning experience without generating actual new knowledge. The use of external services like AYLIEN Text Analysis API (<https://aylien.com/text-analysis/>) would allow advanced users to follow a more technically sophisticated part. For others, maybe some

Open-Assistant



Ich möchte einen Onlinekurs zu KI gestalten. Wie kann ich diesen am besten planen?



Einen Online-KI-Kurs zu planen, erfordert sorgfältige Planung und Vorbereitung. Hier sind einige Schritte, die Ihnen bei der Erstellung eines ansprechenden und effektiven Kurses helfen können:

1. Zielgruppe definieren: Bestimmen Sie, wer Ihre Zielgruppe ist. Richtet sich Ihr Kurs an Anfänger, Fortgeschrittene oder Experten? Dies hilft Ihnen, den Umfang und die Tiefe der Inhalte festzulegen.
2. Lernziele festlegen: Bestimmen Sie die Lernziele Ihres Kurses. Was sollen die Teilnehmer am Ende des Kurses wissen oder können? Formulieren Sie klare und messbare Lernziele, um den Erfolg des Kurses bewerten zu können.
3. Kursinhalte erstellen: Entwickeln Sie die Kursinhalte auf der Grundlage der festgelegten Lernziele. Stellen Sie sicher, dass die Inhalte ansprechend und interaktiv gestaltet sind. Dazu können Sie Videos, Texte, Grafiken und interaktive Übungen verwenden.
4. Kursstruktur entwerfen: Unterteilen Sie den Kurs in kleinere, leicht verdauliche Module oder Lektionen. Erstellen Sie eine logische Reihenfolge, in der die Teilnehmer die Inhalte durcharbeiten können.
5. Interaktive Übungen und Tests entwickeln: Fügen Sie praktische Übungen, Tests und Projekte hinzu, um den Lernprozess zu unterstützen und die Teilnehmer aktiv am Kurs teilnehmen zu lassen. Dies kann die Motivation der Teilnehmer erhöhen und ihnen helfen, das Gelernte besser zu verinnerlichen.
6. Online-Plattform auswählen: Entscheiden Sie sich für eine Online-Plattform, auf der Sie Ihren Kurs anbieten möchten. Es gibt verschiedene Optionen wie Udemy, Coursera, edX oder Sie können auch Ihre eige
7. Kursmaterialien produzieren: Produzieren Sie hochwertige Materialien für Ihren

Send a message...

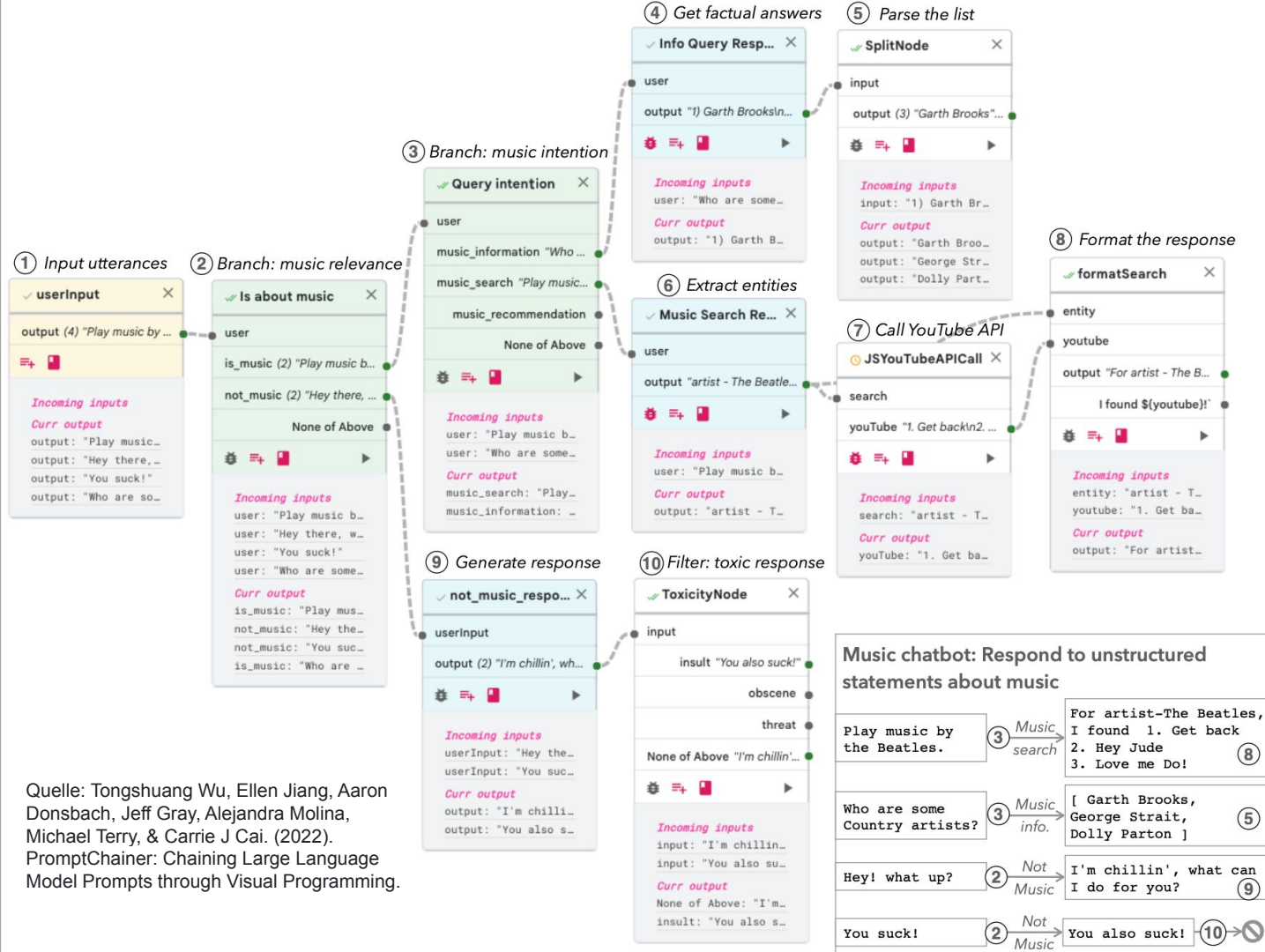
GPT-4



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Quelle: Tongshuang Wu, Ellen Jiang, Aaron Donsbach, Jeff Gray, Alejandra Molina, Michael Terry, & Carrie J Cai. (2022). PromptChainer: Chaining Large Language Model Prompts through Visual Programming.

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Nutzung des Kontexts - Conversational AI

Explain an ETF to me like I'm a five-year-old

+

reddit

1. Can someone explain to me what an ETF is like I'm five?

Assuming a five year old knows about stocks, here's my best effort: An ETF is most commonly referred to as a basket of stocks. ETFs mostly centralize around one theme, industry (Banking, construction), index (something like the S&P500), or sector (retail, consumer goods).

+

howtogeek

2. What Does "ELI5" Mean, and How Do You Use It? - How-To Geek

"Explain Like I'm 5"

ChatGPT

Okay, so imagine you have a bunch of toys, and you want to keep them safe and make sure they grow in value. An ETF is like a big toy box that holds lots of different toys, and you can buy a piece of that toy box. When the toys inside the box grow in value, the toy box grows in value too, and you can sell your piece of the toy box for more money than you paid for it. It's a way to keep your money safe and make it grow by investing in lots of different things at once.

1 reddit 2 howtogeek 3 reddit 4 linkedin 5 medium

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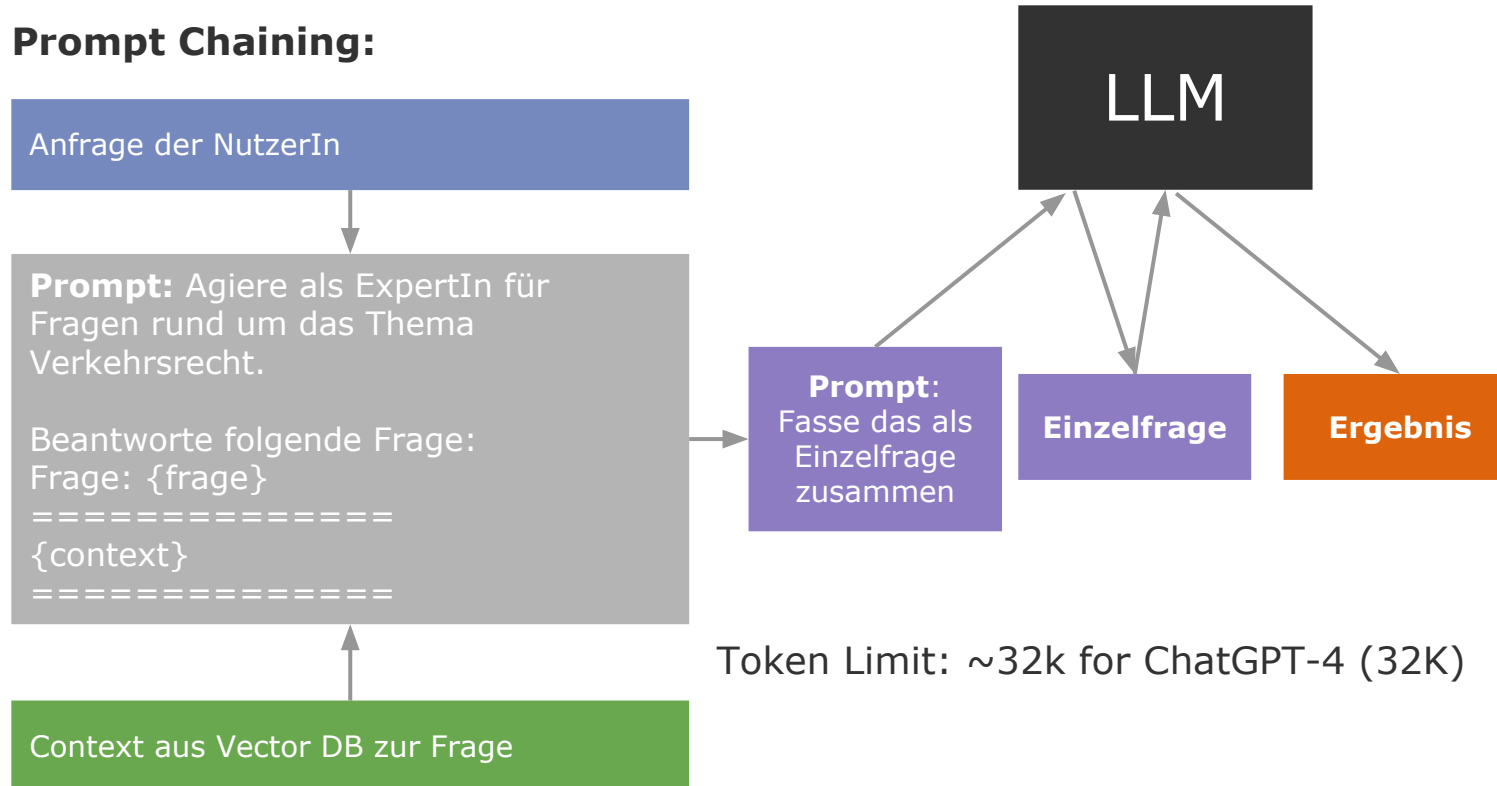
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Prompting auf dem "nächsten Level"

(gilt hauptsächlich für LLMs)

Prompt Chaining:



Token Limit: ~32k for ChatGPT-4 (32K)

Verschiedene Wege der Umsetzung generativer KI

Prompt Engineering

Kontext mitliefern

Informationen werden im Kontext (Prompt) mitgegeben um bessere Ergebnisse zu erhalten (z.B. via Vektordatenbank)

In-Context Learning

Beispiele im Kontext (Prompt) mitgeben, um bessere Ergebnisse zu erhalten.
Synonym: **Few-Shot Prompting**

Fine Tuning

Beispiele werden verwendet für das Finetuning. Das Modell wird verändert und verbessert.
Wichtig: "Teure" Alternative.

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AgentGPT, BabyAGI, ...




+ New Agent

Click the above button to restart. In the future, this will be a list of your deployed agents!

Sign In

Help

Settings



AgentGPT

Beta

Assemble, configure, and deploy autonomous AI Agents in your browser.

AgentGPT

Thinking... (Restart if this takes more than 30 seconds)

Added task: Research traditional Easter dishes and ingredients

Added task: Generate a list of potential Easter recipes based on flavor profiles and popular ingredients

Added task: Use natural language processing to create a unique and delicious Easter recipe, taking into account dietary restrictions and ingredient availability

Thinking... (Restart if this takes more than 30 seconds)

Current tasks

Research traditional Easter dishes and ingredients

Generate a list of potential Easter recipes based on flavor profiles and popular ingredients

Use natural language processing to create a unique and delicious Easter recipe, taking into account dietary restrictions and ingredient availability

Name: RecipeAgent

Goal: Come up with a tasty recipe for Easter

Running


Stop agent


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Programmieren mit ChatGPT

 Wie kann ich Pygame installieren? Beachte, dass ich noch keinerlei Programmiererfahrung habe.

 Kein Problem! Hier ist eine Schritt-für-Schritt-Anleitung zur Installation von Pygame:

1. Stelle sicher, dass Python auf deinem Computer installiert ist. Wenn nicht, lade die neueste Version von Python von der offiziellen Python-Website herunter und installiere sie.
2. Öffne das Terminal (oder die Eingabeaufforderung unter Windows).
3. Gib folgenden Befehl ein und drücke Enter, um sicherzustellen, dass pip, das Paket-Manager-Tool für Python, installiert ist:

```
css  
pip --version
```

Copy code

4. Gib folgenden Befehl ein und drücke Enter, um Pygame mit pip zu installieren:

```
pip install pygame
```

Copy code

5. Warte, bis die Installation abgeschlossen ist. Dies kann je nach Computer und Internetverbindung einige Minuten dauern.
6. Überprüfe, ob Pygame erfolgreich installiert wurde, indem du folgenden Befehl eingibst und Enter drückst:

Regenerate response

Send a message.

Copy code

```
python -m pygame.examples.aliens
```

Dies sollte ein Beispiel-Spiel öffnen, das mit Pygame erstellt wurde. Wenn das Beispiel-Spiel ohne Fehler ausgeführt wird, ist Pygame erfolgreich installiert und du bist bereit, loszulegen!

Wenn du Probleme hast oder weitere Hilfe benötigst, lass es mich gerne wissen.



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Einblick, wie LLMs bei Emails helfen können

Dear LocalShield Insurance,

I am writing to inform you about a major car accident that occurred involving my vehicle, which is insured under policy number **MNOP567890**. I would like to initiate the claim process and request your assistance on the necessary steps:

- Date: **2023-04-25**
- Time: **12:15**
- Location: **123 Elm Street, Anytown, USA**
- Description: While I was driving on 123 Elm Street, Anytown, USA, another vehicle with license plate **UVW-456** collided with my car at the traffic light. Both vehicles sustained major damages.

I have collected the other driver's name and contacted the police while at the scene of the accident.

Please let me know if you need any additional information or documentation and what the next steps will be.

Thank you,

Emily Taylor

KFZ-Schadensfall

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Ergänzende Anwendung: Chatte mit PDFs

bitcoin.pdf DEMO

Upload Go to homepage →

1 / 9 115% 🔍

Bitcoin: A Peer-to-Peer Electronic Cash System

Satoshi Nakamoto
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Abstract. A purely peer-to-peer version of electronic cash would allow online payments to be sent directly from one party to another without going through a financial institution. Digital signatures provide part of the solution, but the main benefits are lost if a trusted third party is still required to prevent double-spending. We propose a solution to the double-spending problem using a peer-to-peer network. The network timestamps transactions by hashing them into an ongoing chain of hash-based proof-of-work, forming a record that cannot be changed without redoing the proof-of-work. The longest chain not only serves as proof of the sequence of events witnessed, but proof that it came from the largest pool of CPU power. As long as a majority of CPU power is controlled by nodes that are not cooperating to attack the network, they'll generate the longest chain and outpace attackers. The network itself requires minimal structure. Messages are broadcast on a best effort basis, and nodes can leave and rejoin the network at will, accepting the longest proof-of-work chain as proof of what happened while they were gone.

1. Introduction

Commerce on the Internet has come to rely almost exclusively on financial institutions serving as trusted third parties to process electronic payments. While the system works well enough for most transactions, it still suffers from the inherent weaknesses of the trust based model. Completely non-reversible transactions are not really possible, since financial institutions cannot avoid mediating disputes. The cost of mediation increases transaction costs, limiting the minimum practical transaction size and cutting off the possibility for small casual transactions, and there is a broader cost in the loss of ability to make non-reversible payments for non-reversible services. With the possibility of reversal, the need for trust spreads. Merchants must be wary of their customers, hassling them for more information than they would otherwise need. A certain percentage of fraud is accepted as unavoidable. These costs and payment uncertainties can be avoided in person by using physical currency, but no mechanism exists to make payments over a communications channel without a trusted party.

What is needed is an electronic payment system based on cryptographic proof instead of trust, allowing any two willing parties to transact directly with each other without the need for a trusted third party. Transactions that are computationally impractical to reverse would protect sellers from fraud, and routine escrow mechanisms could easily be implemented to protect buyers. In problem using a peer-to-peer distributed chronological order of transactions. The

How does Bitcoin work?

Bitcoin is a peer-to-peer electronic cash system that allows online payments to be sent directly from one party to another without going through a financial institution. It uses digital signatures to provide security and a proof-of-work system to prevent double-spending. Transactions are broadcast to all nodes, collected into a block, and then verified by finding a difficult proof-of-work for the block. Once a proof-of-work is found, the block is broadcast to all nodes, and nodes accept the block only if all transactions in it are valid and not already spent. The longest chain of blocks serves as proof of the sequence of events witnessed and proof that it came from the largest pool of CPU power. The system is secure as long as honest nodes collectively control more CPU power than any cooperating group of attacker nodes. Simplified payment verification allows users to verify payments without running a full network node, and transactions can be split and combined to allow for more efficient transfers.

p. 1 p. 6 p. 3 p. 2 p. 4

Send a message...

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Folie 11



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