

# Prompt engineering

Learn how to use chat GPT for your use case.

# Watch the videos

[https://youtube.com/playlist?list=PLxbAS7NVaSZIgqpVNyOA0\\_ftJN9i1Mls\\_&feature=shared](https://youtube.com/playlist?list=PLxbAS7NVaSZIgqpVNyOA0_ftJN9i1Mls_&feature=shared)

Complete guide

# ChatGPT



## Examples

"Explain quantum computing in simple terms" →

"Got any creative ideas for a 10 year old's birthday?" →

"How do I make an HTTP request in Javascript?" →



## Capabilities

Remembers what user said earlier in the conversation

Allows user to provide follow-up corrections

Trained to decline inappropriate requests



## Limitations

May occasionally generate incorrect information

May occasionally produce harmful instructions or biased content

Limited knowledge of world and events after 2021

A I want to make a course on using APIs with frontend and making full stack apps with it.



Give me an outline of that



Absolutely, here's an outline for a course that focuses on using APIs with front-end technologies and building full-stack applications.



### 1. Introduction

- Overview of the course
- Prerequisites and what to expect

### 2. Understanding APIs

- What is an API?
- Different types of APIs (REST, GraphQL, SOAP)
- Overview of HTTP methods (GET, POST, PUT, DELETE)
- JSON format and Data structures

“Make a course” + Give me an outline

- Gives you major points
- Ask it to expand on those points
- Ask to give you more resources

A I want to make a course on prompt engineering. Give me an outline of the course



Sure, I'll provide an outline for a course on "Prompt Engineering" assuming you mean developing effective prompts for AI models like ChatGPT. The course will cover foundational knowledge, strategies, practical application, and ethics.



**Course Title: Mastering Prompt Engineering: Harnessing AI Responsiveness**

**Module 1: Introduction to AI and Natural Language Processing**

1.1 Overview of Artificial Intelligence

1.2 Understanding Natural Language Processing

“Make a course” + Give me an outline

- Gives you major points
- Ask it to expand on those points
- Ask to give you more resources

A

tell me how to use YouTubeTranscriptApi in next js app



Next.js is a React-based framework, and as such, it's largely client-side - which means most of its code runs in the browser. YouTube's Transcript API, however, is not designed to work directly from a client-side application due to CORS (Cross-Origin Resource Sharing) restrictions. To use this in a Next.js application, you would have to build a server-side component, an API route in Next.js, which will use the `'youtube-transcript-api'` Python package.



However, as of my last training cut-off in September 2021, there was no officially provided YouTube Transcript API from Google. There are some community-developed Python libraries available, but they are not official and their usage may violate YouTube's terms of service. It's important to use APIs and tools in accordance with the terms set by their providers.

For illustrative purposes, here's how you might use an unofficial Python package like

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I want to call the open ai api in python. give me the code for it



As of my knowledge cutoff in September 2021, OpenAI provides a Python library called `openai` to make API calls. First, you need to install this library. You can do so with pip:



bash

Copy code

```
pip install openai
```

After the library is installed, you can make API calls using Python. Here is an example for calling the OpenAI GPT-3 model:

python

Copy code

```
import openai

openai.api_key = 'your-api-key'

response = openai.Completion.create(
    engine="text-davinci-003", # Specify the model here.
    prompt="Translate the following English text to French: '{}'",
    max_tokens=60
)

print(response.choices[0].text.strip())
```



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What are the top AI related rss feeds



As of my last update in 2021, I don't have real-time data. However, here are some reputable AI-related resources that may have RSS feeds:



1. **MIT Technology Review (AI Section):** MIT Tech Review covers a broad range of technology topics, with an entire section dedicated to AI.
2. **Artificial Intelligence on ArXiv:** ArXiv is a repository of scientific papers in fields like physics, mathematics, and computer science. Many AI researchers upload preprints of their papers here.
3. **The AI Alignment Podcast (RSS Feed):** This podcast from the Machine Intelligence Research Institute (MIRI) often features in-depth interviews with leading AI researchers.
4. **AI Trends:** AI Trends is an online publication that focuses on news and trends in business and technology related to AI.
5. **AI in Healthcare (RSS Feed):** If you're interested in AI's applications in healthcare, this RSS feed can keep you updated with the latest news and research.
6. **Google AI Blog:** This blog presents updates on Google's latest AI research and applications.
7. **OpenAI Blog:** OpenAI is a leading AI research organization, and their blog presents updates on their latest findings and initiatives.
8. **Towards Data Science:** This Medium publication covers a broad range of topics in data science and AI.
9. **O'Reilly AI Blog:** O'Reilly is a well-known publisher in the tech field, and their AI blog covers

I want to approach people for web3 content and marketing.

Give me a modern email with bullet points and headings and emojis



Subject: 🚀 Supercharge Your Web3 Content & Marketing with Blocktrain.info 🌐



Hi [Recipient's Name],

I hope you're having a fantastic day! 😊 I wanted to introduce you to our project, Blocktrain.info, which offers a series of articles, in-depth tutorials, structured courses, and complete project guides to help you learn and explore the tech world, especially Web3. 🌐


📖 Our Comprehensive Guides & Courses:

1. 🔥 DSA Revision Guide: <https://blocktrain.gumroad.com/l/dsarevision>
2. 🎯 Job Guide: <https://blocktrain.gumroad.com/l/job>
3. 📁 Internship Guide: <https://blocktrain.gumroad.com/l/internshipsguide>
4. 🛠 Skills Guide: <https://blocktrain.gumroad.com/l/skillguide>
5. 🌐 Web3 Guide: <https://blocktrain.gumroad.com/l/web3>
6. 🏠 Full Stack Guide: <https://blocktrain.gumroad.com/l/fullstack>

💡 Blocktrain.info Projects:

## Marketing

- Write something
- Then modify it
- And ask for headings + bullet points

A I want to make a course on notion and how developers can use it to make a lot of apps 

Some apps include

- templates
- notion to website
- notion cms
- notion package
- sharing notion stuff
- notion forms

And more

Give me an outline of the course with everything that a developer needs to master notion, api, and full stack

## Course creation

- Basic line
- Some topics
- Some apps
- Some information



Course Title: Notion for Developers: Building Powerful Apps and Integrations   

Course Description: This comprehensive course will teach developers how to harness the power of Notion, its API, and full stack development to create a wide range of apps and integrations. With hands-on projects and real-world examples, you'll master everything you need to build custom templates, websites, CMS, packages, and more using Notion.

Course Outline:

Module 1: Introduction to Notion and the API

1.1 What is Notion?

A

I write on software engineering, layoffs, coding, etc in my email newsle

Tell me some interesting topics for the next one based on the trends right now

Here are some examples

- how to make AI apps
- how to get a job in this market

Use the trends and top keywords and give me some topics



Sure, here are some interesting topics you could cover based on current trends and top keywords:



1. Remote work: Tips for managing a remote engineering team
2. Cybersecurity: Best practices for securing your code and data
3. Cloud computing: How to leverage cloud technologies for your software projects
4. DevOps: Why it's essential for modern software development and how to implement it
5. Agile methodology: How to adopt agile principles and practices for software development
6. Artificial Intelligence: The potential and challenges of AI in software engineering
7. Layoffs: Coping with job loss in the tech industry and strategies for finding new opportunities

A

<https://leetcode.com/list?selectedList=5kb420st>

<https://leetcode.com/list?selectedList=5kb7zjzc>

<https://leetcode.com/list?selectedList=xy96pv41>

<https://leetcode.com/list?selectedList=xy9q8wzr>

<https://leetcode.com/list?selectedList=5kb7zx42>

<https://leetcode.com/list?selectedList=xy9q32ks>

format the links by replacing ?selectedList= with /



Sure! Here are the formatted links:

- <https://leetcode.com/list/5kb420st>
- <https://leetcode.com/list/5kb7zjzc>
- <https://leetcode.com/list/xy96pv41>
- <https://leetcode.com/list/xy9q8wzr>
- <https://leetcode.com/list/5kb7zx42>
- <https://leetcode.com/list/xy9q32ks>

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how to implement google authentication with firebase




Implementing Google Authentication with Firebase can be done in a few steps:



1. Create a Firebase project: Go to the Firebase Console and create a new project or select an existing one.
2. Set up the Firebase SDK: Add the Firebase SDK to your app by following the instructions provided by Firebase for your specific platform (e.g. iOS, Android, Web).
3. Configure Google Authentication: Go to the Firebase Console and enable Google as a sign-in provider for your app. You will need to provide your app's package name (for Android), bundle ID (for iOS), and/or domain (for web).
4. Integrate the Google Sign-In API: Follow the instructions provided by Firebase to integrate the Google Sign-In API into your app.
5. Handle the sign-in flow: Once the user clicks the sign-in button, call the Google Sign-In API to initiate the sign-in flow. Firebase will handle the authentication and return the user's credentials.
6. Create a Firebase user account: Once the user's credentials have been returned, create a Firebase user account by calling the `signInWithCredential` method and passing in the user's credentials.
7. Use Firebase Authentication: Once the user has signed in, you can use Firebase Authentication to manage the user's account and data.

Here's some sample code in JavaScript for web implementation:

A Act as an expert copywriter. I will give you some topics related to SEo and marketing. expand  those with more information

Set Up Google Search Console

Include a Sitemap

Avoid Using Subdomains

Internal Linking Is Critical

Write Clear Headers: H1s, H2s, and H3s

Use Clear, Short Publishing URLs

Include Meta Descriptions

Use a Structured Data / Schema

Improve Website Speed & Core Web Vitals

Ensure Mobile Usability



#### 1. Set Up Google Search Console:



Google Search Console is a free tool provided by Google that allows website owners to monitor, maintain, and improve their website's presence in Google search results. By setting up Google Search Console, you can get insights into how your website is performing in Google search, identify and fix any technical issues, and monitor your website's traffic.

#### 2. Include a Sitemap:

A sitemap is a file that contains a list of all the pages on your website, along with their hierarchical structure. Including a sitemap on your website helps search engines crawl and index your website more efficiently, which can improve your website's visibility in search results.

#### 3. Avoid Using Subdomains:

Using subdomains can create issues with website structure and organization. It can also cause search engines to treat each subdomain as a separate website, which can dilute the

A

How do I integrate stripe in my next js project



Integrating Stripe in a Next.js project can be done using the Stripe API and a serverless function. Here are the steps to follow:



1. Install the Stripe package:



Copy code

```
npm install stripe
```

1. Create a serverless function to handle the Stripe API calls. In Next.js, you can create a `pages/api` directory for serverless functions. Create a new file called `checkout.js` in this directory with the following code:

js



Copy code

```
import Stripe from 'stripe';

const stripe = new Stripe(process.env.STRIPE_SECRET_KEY, {
  apiVersion: '2020-08-27',
});

export default async function handler(req, res) {
  const { amount, idempotencyKey } = req.body;

  try {
```



A

How to check which domain is available or not using code?



To check whether a domain name is available or not using code, you can use the WHOIS protocol. WHOIS is a protocol that allows you to query a database to obtain information about a domain name, including its availability.



Here's an example Python code to check the availability of a domain name using WHOIS:

python

Copy code

```
import whois

def is_available(domain_name):
    try:
        w = whois.whois(domain_name)
        if w.status == None:
            return True
        else:
            return False
    except:
        return False
```

This code uses the `'whois'` library to query the WHOIS database for information about the domain name. If the domain name is available, its status will be `'None'`. If the domain name is not available, its status will be something other than `'None'`.

You can call this function with a domain name to check whether it's available or not, like this:

python

Copy code

A

I am giving you a curl request, convert that into a fetch in javascript



```
curl -X POST https://api.notion.com/v1/pages \
-H "Authorization: Bearer $NOTION_API_KEY" \
-H "Content-Type: application/json" \
-H "Notion-Version: 2021-08-16" \
--data "{
  \"parent\": { \"database_id\": \"$NOTION_DATABASE_ID\" },
  \"properties\": {
    \"title\": {
      \"title\": [
        {
          \"text\": {
            \"content\": \"Yurts in Big Sur, California\"
          }
        }
      ]
    }
  }
}"
```



Here's how you can convert the given curl request into a fetch request in JavaScript:



javascript

Copy code

```
fetch('https://api.notion.com/v1/pages', {
  method: 'POST',
  headers: {
    'Authorization': 'Bearer ' + NOTION_API_KEY,
    'Content-Type': 'application/json',
    'Notion-Version': '2021-08-16'
  }
})
```

A

how to remove background of an image with javascript



There are several ways to remove the background of an image using JavaScript. Here are a few options:



1. Using a pre-built library: One of the most popular libraries for image manipulation in JavaScript is called "CamanJS". It provides a range of image processing features, including the ability to remove backgrounds from images. Here is an example of how to use CamanJS to remove the background of an image:

javascript

Copy code

```
Caman("#myImage", function() {  
  // Remove the background using a threshold value  
  this.removal({  
    type: "background",  
    amount: 50  
  });  
  
  // Render the modified image  
  this.render();  
});
```

In this example, the `removal()` method is used to remove the background of an image with the ID "myImage". The `type` parameter specifies the type of removal to perform (in this case, removing the background), and the `amount` parameter specifies the threshold value for the removal. The higher the threshold value, the more aggressive the removal will be.

A

How to make a figma plugin



To make a Figma plugin, you will need to have a basic understanding of web development, as Figma plugins are built using web technologies such as HTML, CSS, and JavaScript. Here are the general steps to creating a Figma plugin:



1. Create a new project in the Figma Plugin API by going to the Figma Developers website and clicking "Create a new project."
2. Write the code for your plugin using HTML, CSS, and JavaScript. You can use the Figma Plugin API to interact with the Figma document and perform actions such as creating and modifying layers.
3. Test your plugin by running it in the Figma desktop app.
4. Once you are satisfied with the functionality of your plugin, you can submit it for review to be included in the Figma plugin marketplace for other users to discover and install.
5. Keep in mind that Figma's plugin API is still in beta and it could change in the future.
6. You can also use the Figma API documentation and examples in GitHub to help you with your development.

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give me a sample of figma plugin api



Here is a simple example of a Figma plugin that creates a rectangle on the currently selected page:



```
javascript
```

Copy code

A

explain closures in javascript



In JavaScript, a closure is a function that has access to the outer scope, even when the outer function has already returned. This is because the inner function maintains a reference to the variables in the outer scope, so it can continue to access them even after the outer function has finished executing.



Here's an example of a closure in JavaScript:

javascript

Copy code

```
function outerFunction() {  
  let outerVariable = "Hello, I'm an outer variable!";  
  
  function innerFunction() {  
    console.log(outerVariable);  
  }  
  
  return innerFunction;  
}  
  
const closure = outerFunction();  
closure(); // "Hello, I'm an outer variable!"
```

In this example, the `innerFunction` has access to the `outerVariable`, even though the `outerFunction` has already returned. This is because the `innerFunction` maintains a reference to the `outerVariable`, so it can continue to access it even after the `outerFunction` has finished executing.

Closures are often used in JavaScript to create functions that can only be accessed

A

what are some common study abroad education questions



1. What are the benefits of studying abroad?
2. Which country or city is best for studying abroad?
3. What is the cost of studying abroad and how can I finance it?
4. What are the admission requirements for studying abroad?
5. How long does the study abroad program last?
6. Can I transfer credits from my study abroad program back to my home university?
7. What are the visa requirements for studying abroad?
8. What is the language of instruction in the study abroad program?
9. How do I find housing during my study abroad program?
10. What kind of cultural immersion opportunities are available during the study abroad program?
11. What is the academic and social environment like in the host country?
12. How do I stay safe while studying abroad?
13. How do I prepare for my return to my home country after studying abroad?
14. What kind of support services are available to students studying abroad?
15. Can I work while studying abroad?



A

give me more

FAQs - ask what are the common questions

- It will give you a list
- Then ask to expand or ask more

# Copywriter

Act as an expert copywriter.

I am going to give you a blog in the next message.

Convert that into an SEO optimized blog with h2 headings.

Give me the reply in markdown format.

# Blog summary

Act as a copywriter and digital marketing expert.

I am going to give you a blog in the next message.

Convert that into an SEO optimized blog with headings, spacings, and keywords.

Return it in markdown format.



# Blog ideas

Act as a copywriter and a digital marketing expert.

I will give you a title and description of a brand in the next message.

Create some new blog ideas and return it with the following:

1. Heading for the blog idea
2. Keywords for the blog idea
3. Hashtags for the blog idea

# Ebook

You're going to pose as Writer2Ebook AI, also known as W2E AI.

Writings are transformed while respecting specific format to generate ebooks.

I will give you a title and description of a brand in the next message.

Generate the title and summary based on their response.

Format your answer in such a way to respect the classic format of an ebook.

Use the following examples as a guide:

Respect this structure for the cover page:

Title: Rich Dad Poor Dad

Author: Robert Kiyosaki

Summary: What rich people teach their kids about money - that poor and middle-class do not!

Then using Markdown. Use headings, subheadings, bullets, and bold to organize information.

Write down Summary Chapters using the following example :

Introduction: Rich Dad Poor Dad

# Twitter ideas

Act as an Twitter social media manager and a digital marketing expert.

I will give you a title and description of a brand in the next message.

Create some new twitter ideas and return it in the following format:

Return it in the following format:

1. Tweet idea
2. Keywords
3. Hashtags

# Linkedin post

Act as an Linkedin social media manager and a digital marketing expert.

I will give you a few ideas, brand's name, and description in the next message.

Write 3 descriptive and explanatory linkedin posts using this information.

The post should be split in three parts

1. The hook
2. The content
3. The conclusion

# Youtube ideas

Act as a copywriter and a digital marketing expert.

I will give you a title and description of a brand in the next message.

Create some new youtube video ideas and return it with the following:

1. Heading for the video idea
2. Keywords for the video idea
3. Hashtags for the video idea

# Youtube script

Act as an youtube social media expert.

I am giving you a few youtube titles, the brand's name and their description.

Return 3 complete youtube video scripts which should have the following

1. The hook
2. The content
3. The conclusion

# Ad - facebook, Google

Act as an expert advertiser and copywriter.

I will give you a title and description of a brand.

Create 5 facebook ads with the following:

1. Add headline for each ad.
2. Add a short piece of sales copy for each ad.
3. Add an image and video idea for each ad.
4. Add call to action for each ad.
5. Add keywords for each ad.

# Google Ad

Act as an expert advertiser and copywriter.

I will give you a title and description of a brand.

Create 5 google ads with the following:

1. Add headline for each ad.
2. Add a short piece of sales copy for each ad.
3. Add an image and video idea for each ad.
4. Add call to action for each ad.
5. Add keywords for each ad.



# Ad campaign

I want you to act as an expert advertiser.

I will give you the brand and their description.

Choose a target audience, develop key messages and slogans, select the media channels for promotion, and decide on any additional activities needed to reach your goals. Create and return the campaign to promote a product or service of your choice.

# Email marketing

Act as if you were a professional marketer.

I will give you the brand's name and description in the next prompt.

Identify and describe the target audience of the brand,

Generate an email marketing campaign consisting of a series of multiple emails to nurture leads

and drive conversions for the product.

The emails should include a subject line and a body that is fully written out as if you were a marketer who was about to send this email to potential customers.

# All marketing

I will give you the brand's name and description in the next prompt.

Act as if you were a professional marketer and identify and describe the target audience for that brand.

Then, list the pain points of this target audience in bullet point format.

Then, list the desires of the target audience in bullet point format.

Now with the target audience in mind, act as a professional marketer and create a powerful

marketing campaign that effectively targets the target audience. The campaign must include:

1. An engaging and highly converting product recommendation with a strong call-to-action for

the product that will be used in marketing material

2. A script for a social media video ad (script MUST BE LONG enough to sustain a 30-second video at minimum).

The script must include voice-overs, stage directions, camera directions and an engaging hook

3. An email marketing campaign consisting of a series of multiple emails to nurture leads

and drive conversions for the product. The emails should include a subject line and a body that is fully written out as

if you were a marketer who was about to send this email to potential customers.

# Web marketing

Act as an expert digital marketing expert.

I will give you the brand's title, description, and their metatags.

Return 20 optimized keywords and hashtags for that website.

## CONTENT

 Medium

 Youtube

 Newsletter

 Startups

 AI

 Blog

Add your content here 

Write your thoughts here...

Optimize this blog

Kontentcreator.com

- Check the medium
- Check the youtube
- Check the newsletter

See how prompts come up and  
how things work

Now try to come up with prompts

# JS projects

## JS projects

<https://chat.openai.com/share/f2ba18b2-e499-4798-a707-180044d53d49>

1. I want to make a todo list app in javascript with local storage. give me the code for it
2. I want to make a weather app with API and real data in javascript. Give me the code for that
3. I want to make a simple calculator app in javascript. Give me the code for that
4. I want to make a simple signature app with canvas in javascript. Give me the code for that
5. I want to make a simple BMI calculation app in javascript. Give me the code for that

# React projects

<https://chat.openai.com/share/f2f5f3e4-ad16-4b52-9851-7c25d4b11c06>

1. Repeat all JS projects
2. I want to make a weather app in React with real time data. Give me the code for that.
3. I want to make a RSS API app in React with real time data. Give me the code for that.
4. I want to make a finance trading app in React with real time data. Give me the code for that.
5. I want to make a fitness tracking app in React with real time data. Give me the code for that.

## Learn context in React

<https://chat.openai.com/share/265b31e4-bae8-461f-a687-3a45e79c6086>

## Learn redux in React

<https://chat.openai.com/share/c96a188e-617c-492d-adfb-19244d2af562>

## Prisma ORM

<https://chat.openai.com/share/9f105b15-f181-4388-8b51-84753c2fba28>

## Next js and Firebase

<https://chat.openai.com/share/97e1256b-7712-4a80-bf61-f57c0e4ba8c8>



## Ecommerce app

<https://chat.openai.com/share/7fce32c5-22df-4513-a555-f87c580d3687>

## MongoDB and mongoose

<https://chat.openai.com/share/adf38125-bc5c-4379-870f-d3a2eebb43a8>

## Node and express JS

<https://chat.openai.com/share/d8ea1e61-95e2-43a7-8c2e-7d51ffd2fcdd>

# Js simple apps

<https://chat.openai.com/share/3e8bbd83-4f12-4097-8df2-0dcdb5d5cdbd>

# Startup names

<https://chat.openai.com/share/15ab3db6-f06b-49b6-8dc3-b46cc7a13868>

# Resume gpt

<https://chat.openai.com/share/8f51669f-46c3-45ca-8b54-ee9643d7cb9d>

# Happy hour deals near you

<https://chat.openai.com/share/b0b20b93-f01f-4a42-9025-385183090baa>

# DB estimations - system design

<https://chat.openai.com/share/266091a8-fb00-44f4-a9f3-4577af103038>

# Use plugins and extensions

## 30-Day FAANG Job Preparation Plan

