

Introduction to Prompt Engineering and Generative AI Resource Guide

Introduction to Generative AI, Language Models, Transformers, and Prompts

[Jupyter Notebook: An Introduction – Real Python](#)

[State of GPT \(microsoft.com\)](#)

[Our thinking: The startling power generative AI is bringing to software development \(kpmg.com\)](#)

[Reframing Instructional Prompts to GPTk's Language](#)

[OpenAI Cookbook](#)

<https://bootcamp.uxdesign.cc/how-chatgpt-really-works-explained-for-non-technical-people-71efb078a5c9>

Large Language Models

[Introduction to Large Language Models \(cohere.com\)](#)

Transformers

<https://txt.cohere.com/what-are-transformer-models/>

[The Illustrated Transformer – Jay Alammar – Visualizing machine learning one concept at a time. \(jalammar.github.io\)](#)

[Visualizing A Neural Machine Translation Model \(Mechanics of Seq2seq Models With Attention\) – Jay Alammar – Visualizing machine learning one concept at a time. \(jalammar.github.io\)](#)

<https://txt.cohere.com/sentence-word-embeddings/>

[OpenAI Tokenizer](#)

Prompt Ideas

[kevinamiri/Instructgpt-prompts: A collection of ChatGPT and GPT-3.5 instruction-based prompts for generating and classifying text. \(github.com\)](#)

[awesome-chatgpt-prompts/prompts.csv at main · f/awesome-chatgpt-prompts \(github.com\)](#)

Principles of Prompt Engineering

[Prompt Engineering Guide \(promptingguide.ai\)](#)

[XavKearney/chatgpt-guide: A guide for getting the most out of ChatGPT as a non-technical user. \(github.com\)](#)

<https://learnprompting.org/>

[johnalexander - https://github.com/JRAlexander/resource-guides/](#)

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Understanding AI Learning Strategies

[Mastering ChatGPT Prompts: Harnessing Zero, One, and Few-Shot Learning, Fine-Tuning, and Embeddings for Enhanced GPT Performance : r/aipromptprogramming \(reddit.com\)](#)

Zero-Shot

[Large Language Models are Zero-Shot Reasoners](#)

Few-Shot

[\[2202.12837\] Rethinking the Role of Demonstrations: What Makes In-Context Learning Work? \(arxiv.org\)](#)

Chain-of-Thought

[\[2201.11903\] Chain-of-Thought Prompting Elicits Reasoning in Large Language Models \(arxiv.org\)](#)

Self-Consistency

[\[2203.11171\] Self-Consistency Improves Chain of Thought Reasoning in Language Models \(arxiv.org\)](#)

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[\[2211.01910\] Large Language Models Are Human-Level Prompt Engineers \(arxiv.org\)](#)

LLM Risks

[Exploring the Limitations and Challenges of Large Language Models in IT - DEV Community](#)

[Europe: ChatGPT's Use and Misuse in the Workplace \(shrm.org\)](#)

[Who Ultimately Owns Content Generated By ChatGPT And Other AI Platforms? \(forbes.com\)](#)

[Understanding Prompt Injection Attacks: What They Are and How to Protect Against Them - Prompts Ninja](#)

[Prompt injection: What's the worst that can happen? \(simonwillison.net\)](#)

[Delimiters won't save you from prompt injection \(simonwillison.net\)](#)

Bootcamps / Classes

[ChatGPT Prompt Engineering for Developers - DeepLearning.AI](#)

[Introducing LLM University — Your Go-To Learning Resource for NLP 🧠 \(cohere.com\)](#)

[Prompt Engineering for ChatGPT | Coursera](#)

[Full Stack LLM Bootcamp](#)

Tools – LangChain, Semantic Kernel, Vector Databases

Plugins

[OpenAI ChatGPT plugins](#)

[What about ChatGpt Plugins and how they work - Tobias Zwingmann](#)

[johnalexander - https://github.com/JRAlexander/resource-guides/](#)

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<https://mpost.io/unleashing-the-power-of-chatgpt-with-plugins/>

[Eyisha Zyer | AI Insider](#)  on Twitter: "The NEW ChatGPT code interpreter PLUGIN is about to change the world of AI forever. Here are the 8 most amazing examples: <https://t.co/GdG7LTV6eN>" / [Twitter](#)

[What is ChatGPT Code Interpreter? - by Michael Spencer \(substack.com\)](#)

[5 ChatGPT plugins that aren't worth your time | Mashable](#)

[5 ChatGPT plugins that do what they promise | Mashable](#)

[Jas Singh on Twitter: "ChatGPT plugins are the new thing in town. With ChatGPT Plugins being the NEW Appstore of AI. Here are the 8 BEST use cases for ChatGPT Plugins you've never heard about \(all new\): <https://t.co/2y1RFBgTAp>" / Twitter](#)

[This ChatGPT Plugin is Truly Groundbreaking | by Reid Elliot | Predict | Apr, 2023 | Medium](#)

LangChain

[Quickstart Guide](#) —  [LangChain 0.0.177](#)

<https://medium.com/technology-hits/overview-of-langchain-9f6362707cd0>

[Getting Started with LangChain: A Beginner's Guide to Building LLM-Powered Applications | by Leonie Monigatti | Apr, 2023 | Towards Data Science](#)

Semantic Kernel

<https://devblogs.microsoft.com/semantic-kernel/hello-world/>

Interesting and Fun

[An example of LLM prompting for programming](#)

[Building A Virtual Machine inside ChatGPT \(engraved.blog\)](#)

[How to Run a ChatGPT Alternative on Your Local PC | Tom's Hardware \(tomshardware.com\)](#)

[An AI Guide to Microsoft Build 2023 - Microsoft Community Hub](#)

Twitter

[John Alexander \(@JohnAlexander\) / Twitter](#)

[Andrej Karpathy \(@karpathy\) / Twitter](#)

[elvis \(@omarsar0\) / Twitter](#)

<https://twitter.com/learnprompting>

[Riley Goodside \(@goodside\) / Twitter](#)

[Yann LeCun \(@ylecun\) / Twitter](#)

[Sebastian Raschka \(@rasbt\) / Twitter](#)

[johnalexander](#) - <https://github.com/JRAlexander/resource-guides/>

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[Eugene Yan \(@eugeneyan\) / Twitter](#)

[langchain \(@LangChainAI\) / Twitter](#)

[Harrison Chase \(@hwchase17\) / Twitter](#)

[Ethan Mollick \(@emollick\) / Twitter](#)

[Eyisha Zyer | AI Insider 💡 \(@eyishazyer\) / Twitter](#)

[Simon Willison \(@simonw\) / Twitter](#)

[OpenAI \(@OpenAI\) / Twitter](#)

[Hugging Face \(@huggingface\) / Twitter](#)

[Tobias Zwingmann \(@ztobi\) / Twitter](#)

[mitko \(@iotcoi\) / Twitter](#)