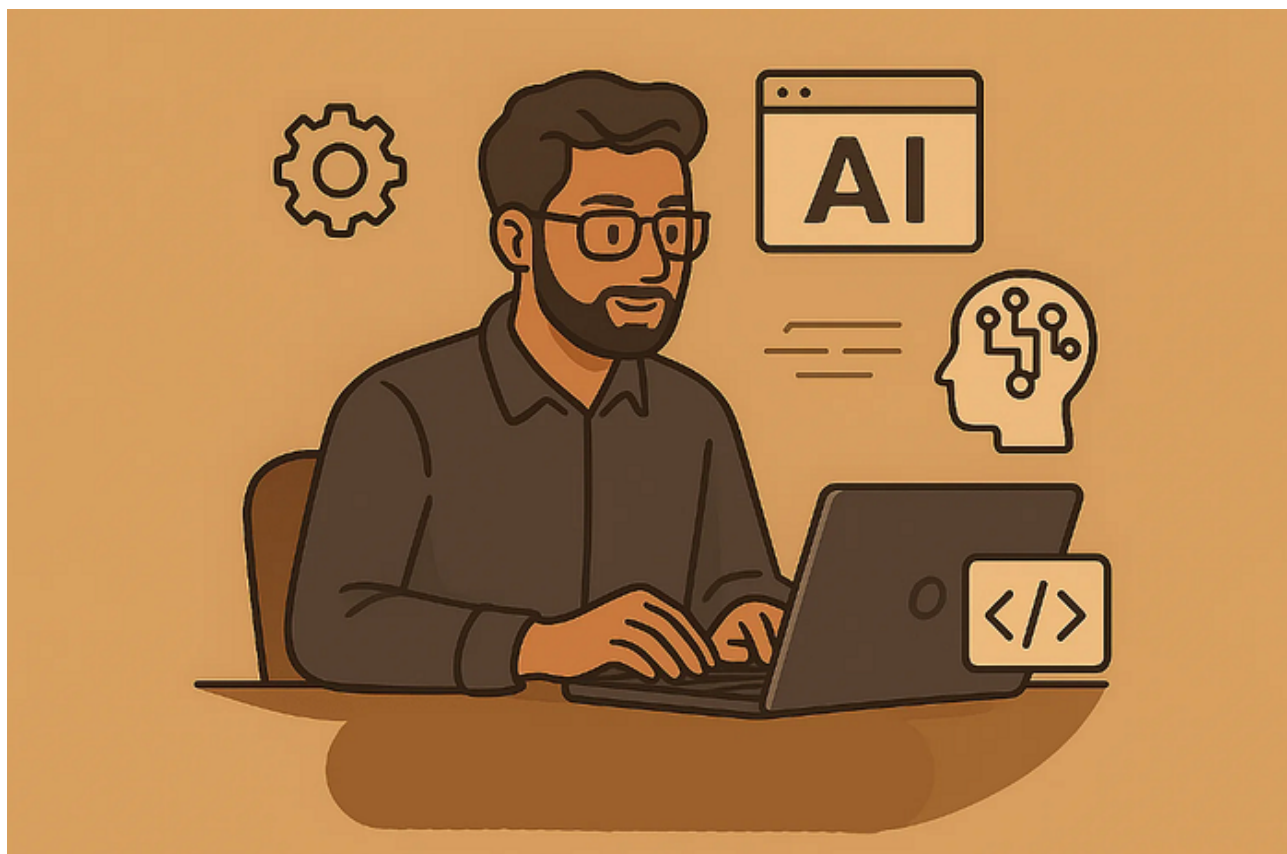# 7 Best Prompting FREE Repos I Use to Sharpen My AI Coding Skills (For Every AI Engineer)

1. Prompt Engineering Guide

Joe Njenga • 7 min read • 2025-09-17

Prompting Free Repos Featured Image / By Author

If you're not coding by prompt, you're lost! The days of typing functions, parameters, and manually testing things are slowly fading into the past.

> **We're now coding by prompt, but you still need to understand the fundamentals of software development to make the best out of available free resources and new AI models.**

But prompting is vast and can be confusing even for seasoned pros.

It helps to keep polishing your prompting skills to get the best results from these powerful tools.

> **While this is a game of practice, where's the playbook?**

For a start,

> If you need to learn AI engineering in depth or are looking for professional guidance and a

> good place to start, ***pick one of the books I shared on this list of the best AI engineering books***.

To learn how to prompt like a pro, you don't have to pay a dime!

I've been using these free resources to learn the intricate details of how to prompt like a master.

These resources are my collection of the best prompting repositories that you can use to learn the game and outwit everyone who's playing by guesswork.

Sounds like a huge promise, but you'll appreciate this list if you haven't come across some of them.

My all-time favorite for any user level is the Awesome ChatGPT Prompts.

As you go through each of these repositories, you'll discover techniques that will transform how you interact with AI coding assistants.

This repository is where I direct anyone interested in getting serious with prompt engineering.

> **Created by DAIR.AI, the guide breaks down prompting into digestible concepts that make sense. I've spent countless hours here, trying to figure out why my prompts were giving me garbage results while others seemed to get magic from the same AI models.**

The structured approach makes this repo easy to use; it explains why certain techniques work and when to use them.

Key Features

• Comprehensive coverage from basic to advanced techniques

• Real examples with before/after comparisons

• Multiple language support for global developers

• Regular updates reflecting the latest AI model capabilities

• Interactive exercises to practice concepts

• Integration techniques for different AI models

The techniques here will save you hours of trial and error. I still reference specific sections when working with new AI models or tackling complex coding challenges.

Repo Link: dair-ai/Prompt-Engineering-Guide

2. System Prompts and Models Collection

Ever wondered what's happening behind the scenes when you chat with Claude or ChatGPT? This repository pulls back the curtain on system prompts used by popular AI tools.

> **I discovered this gem while trying to understand why some AI models behave differently from others. The collection includes system prompts from major AI applications, giving you insight into how professionals structure their AI interactions.**

The real value comes from studying these patterns. You start recognizing what makes a system prompt effective and how to adapt these techniques for your own coding projects.

Key Features

• Actual system prompts from popular AI tools

• Analysis of prompt structures and patterns

• Regular additions as new tools emerge

• Categorized by tool type and use case

• Community contributions and discussions

• Comparison between different approaches

This repository changed how I think about structuring my own prompts. I now have proven templates to build from.

Repo Link: x1xhlol/system-prompts-and-models-of-ai-tools

3. Mastering GitHub Copilot for Paired Programming

This is Microsoft's official guide for getting the most out of GitHub Copilot.

> **I initially thought Copilot was not powerful until I worked through this guide. The strategies here transformed my coding workflow using GitHub Copilot.**

The guide focuses on practical scenarios you'll encounter-real coding problems, real solutions, and real techniques that work when you're under deadline pressure.

Key Features

• Official Microsoft guidance and best practices

• Step-by-step scenarios with actual code examples

• Integration techniques for different development workflows

• Troubleshooting common Copilot issues

• Advanced features most developers never discover

• Team collaboration strategies with AI assistance

The paired programming approach outlined here has made me significantly more productive. Instead of fighting with AI suggestions, I now work with them strategically.

Repo Link: microsoft/Mastering-GitHub-Copilot-for-Paired-Programming

4. Awesome ChatGPT Prompts

This is my go-to repository when I need inspiration or want to see how creative people get with their prompts.

> **The community has built something special here with over 100k stars for good reason. You'll find prompts for everything from code review to debugging complex algorithms. I've borrowed techniques from marketing prompts and adapted them for technical documentation.**

The beauty lies in seeing patterns across different domains. A prompt designed for creative writing might contain structuring techniques perfect for explaining complex code architecture.

Key Features

• Massive community-driven collection of tested prompts

• Categories spanning multiple professional domains

• Regular community contributions and updates

• Easy-to-copy format for immediate use

• Rating system based on community feedback

• Multi-language prompt examples

I keep this bookmarked and check it whenever I'm stuck on how to phrase a complex request. I like the community aspect, which means you get tested prompts that work.

Repo Link: f/awesome-chatgpt-prompts

5. Awesome AI System Prompts

While the previous repository focuses on user prompts, this one covers system-level prompting. These are the prompts that define how AI models behave and respond in different contexts.

> **I spent weeks studying the patterns here when building my own AI-powered development tools. The systematic approach to crafting behavior is a valuable aspect of this prompting guide.**

The repository organizes prompts by function and complexity level. You can start with simple task-specific prompts and work your way up to sophisticated multi-step reasoning systems.

Key Features

• Curated system prompts for specific development tasks

• Detailed explanations of prompt design decisions

• Templates for building custom AI assistants

• Performance analysis and optimization tips

• Integration examples with popular AI APIs

• Community discussions on prompt effectiveness

The systematic thinking in this repository has improved every aspect of my AI interactions. I now design prompts with clear intent and measurable outcomes.

Repo Link: dontriskit/awesome-ai-system-prompts

6. Anthropic Interactive Tutorial

This is an Anthropic-built tutorial to teach prompt engineering through hands-on practice.

> **I worked through this tutorial when I was learning to get consistent results from**

> **Claude. The interactive format means you're learning the actual techniques and practicing them in real-time.**

The tutorial adapts to your responses and provides immediate feedback. This approach helped me understand why certain prompt structures work better than others for different types of coding tasks.

Key Features

• Interactive exercises with immediate feedback

• Progressive difficulty from beginner to advanced levels

• Real-time prompt testing and refinement

• Personalized learning paths based on your responses

• Integration with Claude for live practice sessions

• Downloadable templates and reference materials

The hands-on approach here filled gaps that reading other guides couldn't address - you learn by doing.

Repo Link: anthropics/prompt-eng-interactive-tutorial

7. Leaked System Prompts

This repository contains system prompts extracted from popular AI tools and services.

> I found this while researching why different AI coding tools have such distinct capabilities. The prompts here reveal the careful engineering that goes into making AI tools behave differently.

Studying these real-world examples taught me more about prompt architecture. You see exactly how professionals structure complex instructions for AI systems.

Key Features

• Actual system prompts from major AI applications

• Regular updates as new prompts are discovered

• Analysis and commentary on prompt effectiveness

• Categorization by tool type and function

• Community discussions about prompt techniques

• Historical versions showing prompt evolution

The insights from this repository have shaped how I approach building prompts for complex development tasks. I borrow heavily from patterns I learned here.

Repo Link: jujumilk3/leaked-system-prompts

Final Thoughts

The Anthropic Interactive tutorial helped me learn better by making learning hands-on.

Microsoft's official Copilot guide proved that major tech companies are serious about AI-assisted development.

But the leaked system prompts repository revealed the secret sauce - showing exactly how professionals structure the instructions that make AI tools so effective.

We are now coding by prompt, and learning the best way to prompt is an invaluable skill. This list will help you get started or improve your existing prompting skills.

> **Do you know of any other free resources that you can share ? Let us know in the comments.**

Let's Connect!

If you are new to my content, my name is Joe Njenga

> Join thousands of other software engineers, AI engineers, and solopreneurs who read my content **daily on Medium** and on **YouTube where I review the latest AI engineering tools and trends.** If you are more curious about my projects and want to receive detailed guides and tutorials, **join thousands of other AI enthusiasts in my weekly AI Software engineer newsletter**

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