

GPT Survey: A Programmer's Perspective

Lesson 1: Prompt Engineering

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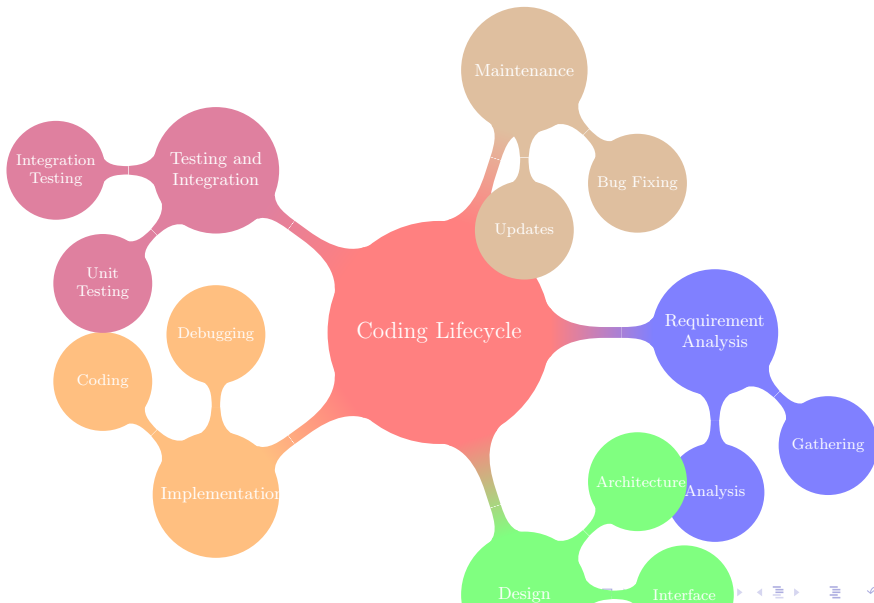
Outline

- 1 Lifecycle of Coding
- 2 Which GPT to use?
- 3 Prompt Engineering: Principles and Techniques
- 4 Useful Extensions and Plugins
- 5 Ecosystem
- 6 Resources of Learning and Development
- 7 Limitations
- 8 References

Lessons Mindmap



Lifecycle of Coding



PGF/TikZ Manual.

- PDF:

<http://mirrors.ctan.org/graphics/pgf/base/doc/pgfmanual.pdf>

- Online Doc: <https://tikz.dev/>

- GitHub: <https://github.com/pgf-tikz/pgf>

References I

1. PGF/TikZ Manual.
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 - [Online Doc](https://tikz.dev/): <https://tikz.dev/>
 - [GitHub](https://github.com/pgf-tikz/pgf): <https://github.com/pgf-tikz/pgf>
2. SPQA: The AI-based Architecture That'll Replace Most Existing Software.
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3. Chat GPT For Programming: 100+ Coding Prompts For Chat GPT.
 - <https://www.greataiprompts.com/chat-gpt/best-coding-prompts-for-chat-gpt>
4. Chat-GPT Cheat Sheet V2 : coolguides.
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 - [GitHub](https://github.com/bigcode-project/starcoder): <https://github.com/bigcode-project/starcoder>
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 - [Paper](https://drive.google.com/file/d/1cN-b9GnWtHzQRoE7M7gAEyivY0kl4BYs/view): <https://drive.google.com/file/d/1cN-b9GnWtHzQRoE7M7gAEyivY0kl4BYs/view>
6. Harnessing the Power of LLMs in Practice: A Survey on ChatGPT and Beyond.
 - [arXiv](https://arxiv.org/abs/2304.13712): <https://arxiv.org/abs/2304.13712>
 - [GitHub](https://github.com/mooler0410/llmspracticalguide): <https://github.com/mooler0410/llmspracticalguide>
7. ChatGPT Prompt Engineering for Developers.
 - [Official Course](https://www.deeplearning.ai/short-courses/chatgpt-prompt-engineering-for-developers/): <https://www.deeplearning.ai/short-courses/chatgpt-prompt-engineering-for-developers/>
 - [Notebooks](https://github.com/datawhalechina/prompt-engineering-for-developers/tree/main): <https://github.com/datawhalechina/prompt-engineering-for-developers/tree/main>
 - [Bilibili](https://www.bilibili.com/video/BV1No4y1t7Zn): <https://www.bilibili.com/video/BV1No4y1t7Zn>
8. FlowGPT — the best ChatGPT prompts&AI prompts community.
 - <https://flowgpt.com/>

References II

9. awesome-chatgpt-prompts: This repo includes ChatGPT prompt curation to use ChatGPT better.
 - [GitHub](https://github.com/f/awesome-chatgpt-prompts): <https://github.com/f/awesome-chatgpt-prompts>
 - [Webpage](https://prompts.chat/): <https://prompts.chat/>
 - [HuggingFace](https://huggingface.co/datasets/fka/awesome-chatgpt-prompts): <https://huggingface.co/datasets/fka/awesome-chatgpt-prompts>
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