ChatGPT Survey
A Programmer's Perspective

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Outline

Philosophies and Methodologies

- Philosophies: Two Views
  - Lifecycle of a Python Project
- Methodologies: Master ChatGPT

Lifecycle of a Python project

1. Requirements analysis
2. Design and architecture
3. Environment setup
4. Develop
5. Test
6. Code review
7. Debug and optimize
8. Deploy and maintain
9. Document

Outline

- Prototype and Example
- Debug
- Code Review: Styles, Documentation, Comments
- Resources and Knowledge Database
- Roadmap
- Project plan
- Tools, utils, libraries and softwares
- Code [1]

Prototype

Debug

1. Chat GPT For Programming: 100+ Coding Prompts For Chat GPT.
   - https://www.greataiprompts.com/chat-gpt/best-coding-prompts-for-chat-gpt https://www.greataiprompts.com/chat-gpt/best-coding-prompts-for-chat-gpt

2. SPQA: The AI-based Architecture That'll Replace Most Existing Software.
   - https://danielmiessler.com/blog/spqa-ai-architecture-replace-existing-software https://danielmiessler.com/blog/spqa-ai-architecture-replace-existing-software

3. Chat-GPT Cheat Sheet V2 : coolguides.
   - https://www.reddit.com/r/coolguides/comments/12ouw8o/chatgpt_cheat_sheet_v2 https://www.reddit.com/r/coolguides/comments/12ouw8o/chatgpt_cheat_sheet_v2

4. StarCoder: A State-of-the-Art LLM for Code.
   - HuggingFace: https://huggingface.co/bigcode/starcoder
   - GitHub: https://github.com/bigcode-project/starcoder
   - Blog: https://huggingface.co/blog/starcoder
   - Paper: https://drive.google.com/file/d/1cN-b9GnWtHzQRoE7M7gAEyivY0kl4BYs/view

5. Harnessing the Power of LLMs in Practice: A Survey on ChatGPT and Beyond.
   - arXiv: https://arxiv.org/abs/2304.13712
   - GitHub: https://github.com/mooler0410/llmspracticalguide

FAQ