

Tips & Tricks for AI-assisted Engineering

vladiliescu.net

github.com/vladiliescu/tips-tricks-ai-assisted-engineering



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5 x 

some obvious, some obscure

1. There's lots of tools

no excuse not to try one

2. The agent choice matters not just the model

3. Use custom instructions
not just prompts

4. Build guardrails
(it's always your fault 🙈)

5. Continuous improvement

designing agentic feedback loops

5+1. Hot tips and questions 🌶️

- You're **responsible** for what you push to main
- Run lots of **small** experiments.
- Know what code to **thoroughly review**, and when to go full **yolo**

Code reviews, code reviews, code reviews. But even they might not help for long because:

One challenge researchers should consider is that as capabilities improve, it may become increasingly difficult to guard against “automation bias.”

So we’ll be hit by a double-whammy: the better GitHub Copilot and similar systems become, the less willing we’ll be to look for bugs in the generated code. And when we do look for bugs in the generated code, they’ll be really subtle and hard to identify.

I’m curious to see what safeguards we’ll build against these issues.

<https://vladiliescu.net/github-copilot-first-impressions/>

Anthropic: forget code even exists 🤖

Fin

