Jan, 2024

Using GitHub Copilot CHAT

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OBJECTIVES

- LLMs
- GitHub Copilot X
  - Copilot
  - CLI
  - Labs
  - Chat
- Warning
- Prompt Engineering
- Labs

ChatGPT Is The Fastest Growing App In The History Of Web Applications

Cindy Gordon Contributor

CEO, Innovation Leader Passionate about Modernizing via AI

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Feb 2, 2023, 06:24pm EST

UBS research just confirmed that ChatGPT is the "fastest-growing consumer application in history," according to research from UBS research just announced that ChatGPT. "In 20 years following the Internet space, we cannot recall a faster ramp in a consumer internet app. By comparison, TikTok took nine months to reach 100 million monthly users, and Instagram about 2.5 years." Other popular online services have taken longer to hit the one million user mark. Instagram being the the closest. Another comparison is when Netflix was launched as a subscription service in 1999, the one million user mark took over 3.5 years to reach this many users.

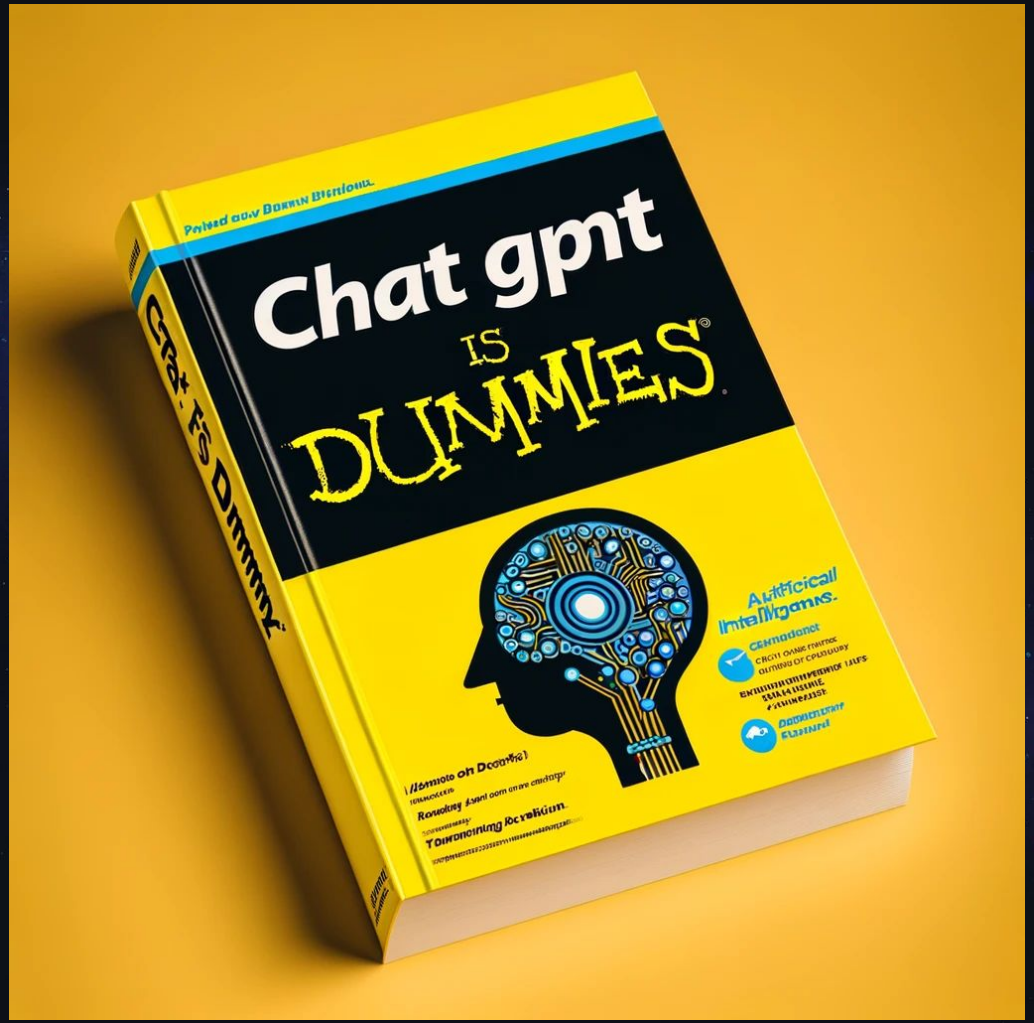
Already at over one million users in just five days since launching in

LLMs

ChatGPT

Eloquent LIAR

ChatGPT


Chat gpt
IS
DUMMIES

Jun	2020	ChatGPT
Jun	2021	GitHub Copilot
March	2023	Google PaLM
November	2023	GitHub Copilot Chat
	2024	Google Gemini

Beware LLMs

Auto-Regressive LLMs Suck !

Y. LeCun

- **Auto-Regressive LLMs are good for**
  - Writing assistance, first draft generation, stylistic polishing.
  - Code writing assistance
- **What they not good for:**
  - Producing factual and consistent answers (hallucinations!)
  - Taking into account recent information (anterior to the last training)
  - Behaving properly (they mimic behaviors from the training set)
  - Reasoning, planning, math
  - Using “tools”, such as search engines, calculators, database queries…
- **We are easily fooled by their fluency.**
- **But they don’t know how the world works.**

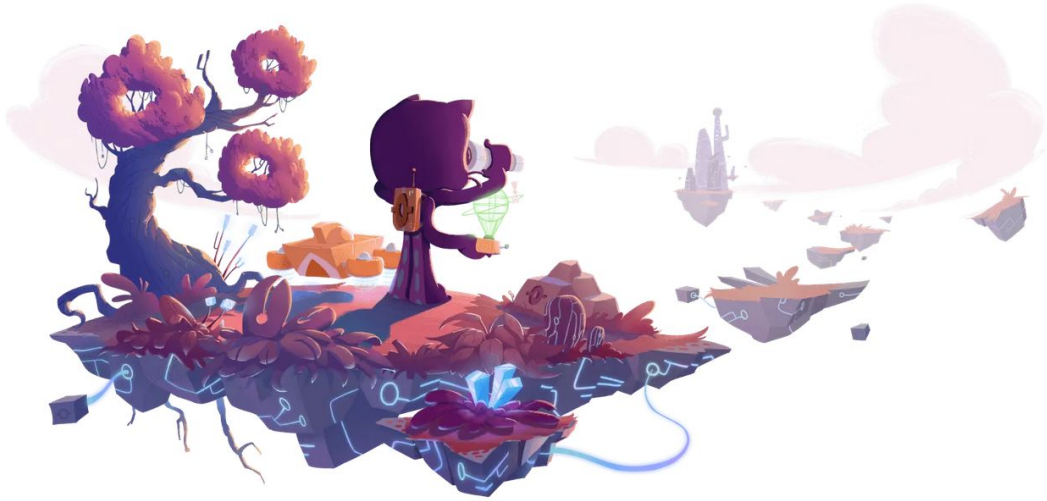
baiosphere · mcml Munich Center for Machine Learning · bidt · relAI · LMU Ludwig-Maximilians-Universität München · BAdW LMU

https://www.youtube.com/watch?v=pd0JmT6rYcI

GitHub

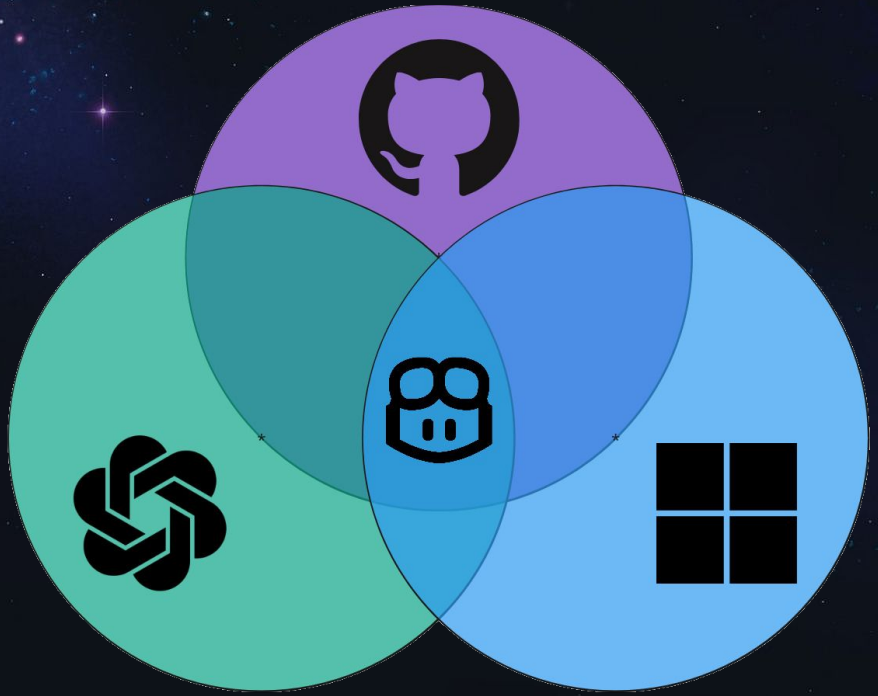
path:**/dockerfile OR path:**/*.dockerfile OR path:**/dockerfile.*

Tip For an advanced search, use our prefixes



GitHub Copilot X

GitHub Copilot



Using GitHub Copilot Chat correlates with better code quality

85% of developers felt more confident in their code quality when authoring code with GitHub Copilot and GitHub Copilot Chat

85%

Code reviews were more actionable and completed 15% faster than without GitHub Copilot Chat

15%

88% of developers reported maintaining flow state with GitHub Copilot Chat

88%

GitHub Copilot

Codex > Chat GPT 3.5 Turbo > GPT 4*

GitHub Copilot Chat

Preview

GitHub github.com | 5,049,233 installs | ★★★☆☆ (86) | Free Trial

AI chat features powered by Copilot

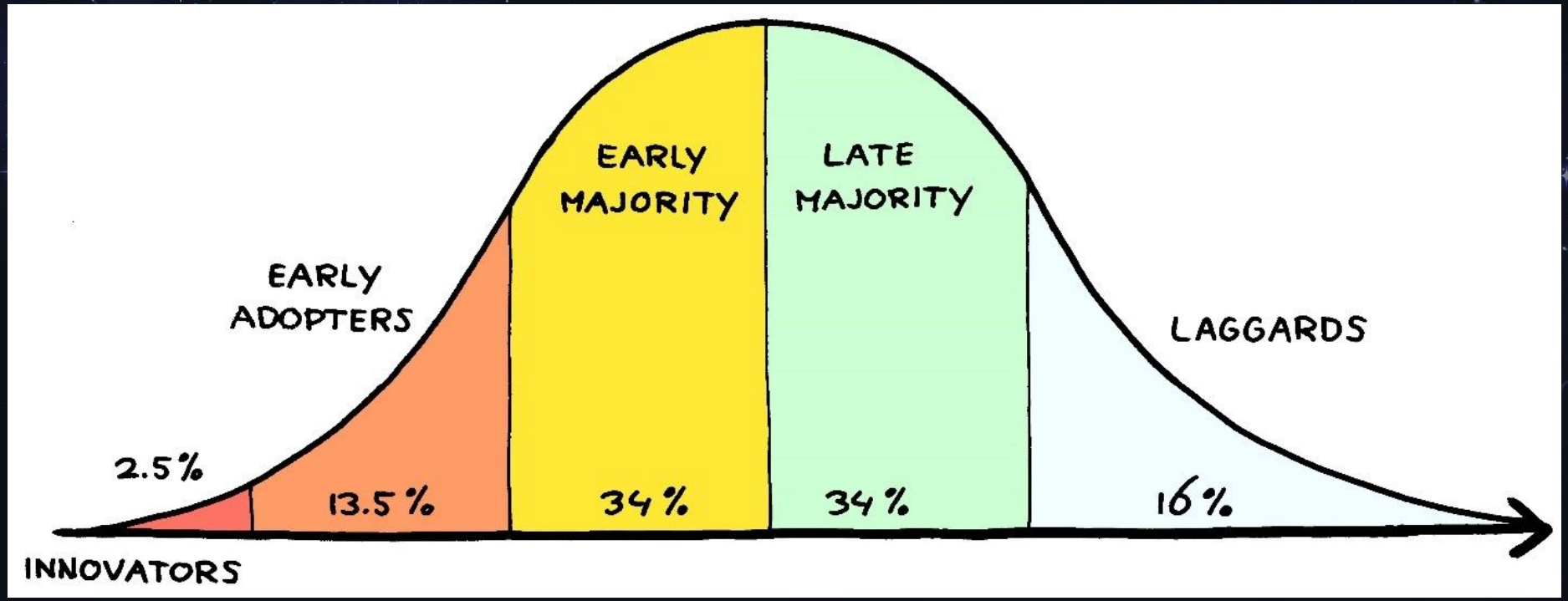
Installation

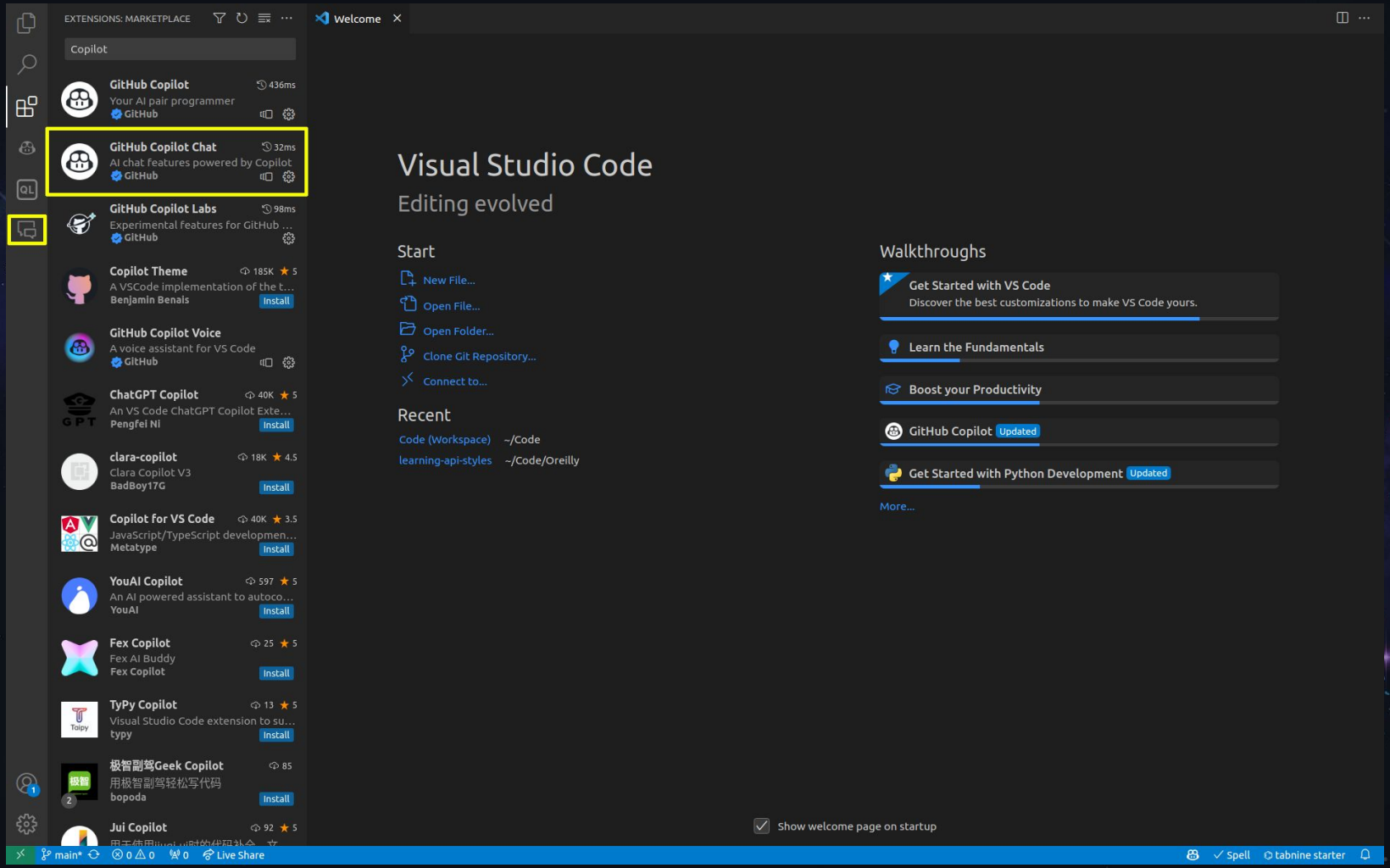
Launch VS Code Quick Open (`Ctrl+P`), paste the following command, and press enter.

```
ext install GitHub.copilot-chat
```

Copy | More Info

Technology Adoption Life Cycle




EXTENSIONS: MARKETPLACE
Copilot
GitHub Copilot
436ms
Your AI pair programmer
GitHub
GitHub Copilot Chat
32ms
AI chat features powered by Copilot
GitHub
GitHub Copilot Labs
98ms
Experimental features for GitHub ...
GitHub
Copilot Theme
185K ★ 5
A VSCode implementation of the t...
Benjamin Benais
Install
GitHub Copilot Voice
A voice assistant for VS Code
GitHub
ChatGPT Copilot
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Install
clara-copilot
18K ★ 4.5
Clara Copilot V3
BadBoy17G
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Metatype
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YouAI Copilot
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An AI powered assistant to autoco...
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Fex Copilot
25 ★ 5
Fex AI Buddy
Fex Copilot
Install
TyPy Copilot
13 ★ 5
Visual Studio Code extension to su...
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用极智副驾轻松写代码
bopoda
Install
Jui Copilot
92 ★ 5
Welcome
Visual Studio Code
Editing evolved
Start
New File...
Open File...
Open Folder...
Clone Git Repository...
Connect to...
Recent
Code (Workspace) ~/Code
learning-api-styles ~/Code/Oreilly
Walkthroughs
Get Started with VS Code
Discover the best customizations to make VS Code yours.
Learn the Fundamentals
Boost your Productivity
GitHub Copilot Updated
Get Started with Python Development Updated
More...
Show welcome page on startup
main*
0 0
0
Live Share
Spell
tabnine starter

Copilot Chat Can

- Generate unit test cases
- Generate documentation
- Generate code for a specific task
- Explain code and suggesting improvements
- Propose code fixes
- Answer coding questions

WARNING Copilot Chat

- Limited scope
- Potential for bias
- Security risks
- Inaccurate code
- Matches with public code

Prompt Engineering Tips

1. Goal
2. Clarity
3. Context
4. Refine

Does it work?
“60% of the time, It works every time“

And what happened next?
He shipped it to PROD!

LABS