

CONF'

Simon Timssale

Conférencier, Designer, Formateur

“Better, faster, stronger prototypes:
appels d'offres, visuels, produits, services”



_icilundi

Le **05/11/2024** à **19h**
4 rue Voltaire, 44000 Nantes



[sf≡ir] **lonestone**

Qui n'est jamais venu au meetup Gen AI Nantes ?

GenAI Nantes



15 événements / an



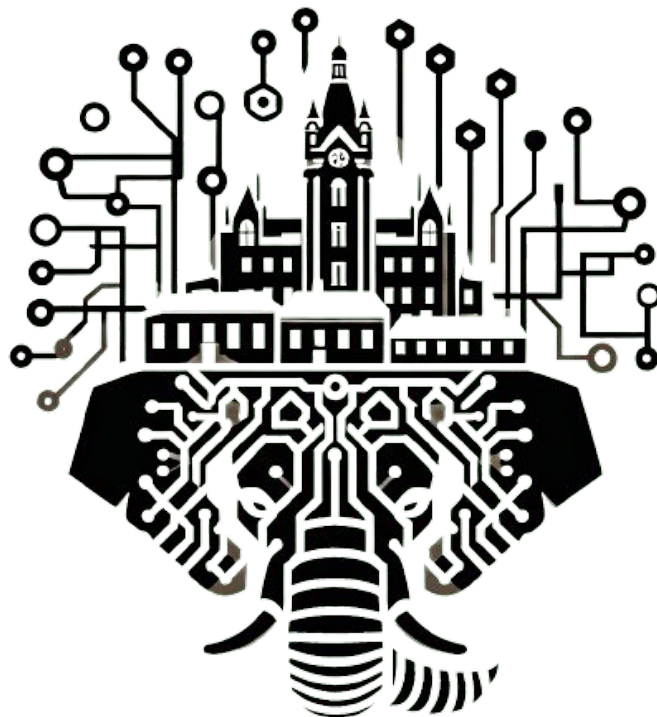
1 hackathon



2 workshops



1 communauté de 500p






 **Save the date!**

Shift revient en 2025,
du 28 au 30 mars.

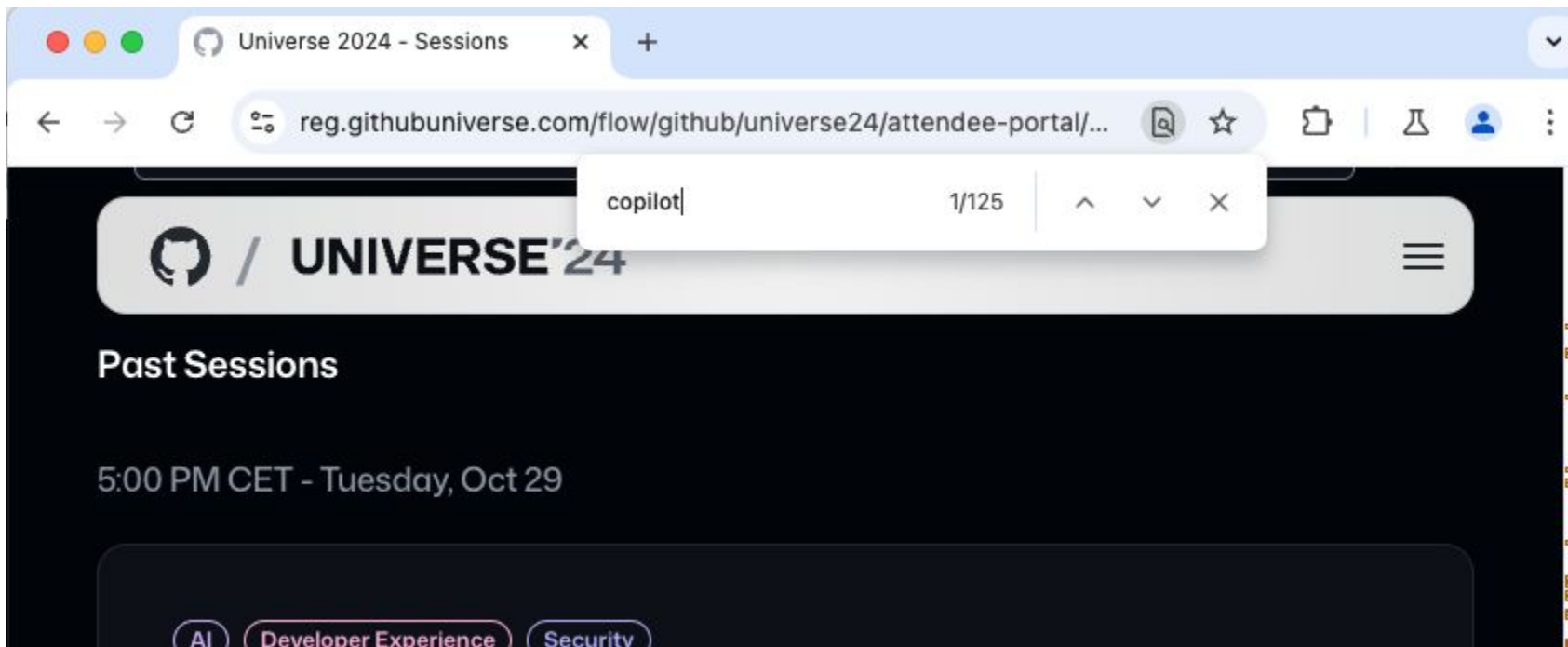


Qui fait des projets GenAI ?

Schedule

-  1- News October 2024
-  2- Better, faster, stronger prototypes
-  3- Enjoy





/fix the problems in my code

/tests add unit tests for my code

/explain how the selected code works

Ask Copilot

<> index.html Current file



Claude 3.5 Sonnet (Preview)

Gemini 1.5 Pro (Preview)

✓ GPT 4o

o1-mini (Preview)

o1-preview (Preview)



UTF-8 LF { } HTML Port : 5500

er



https://github.com/settings/copilot

SSH and GPG keys

Organizations

Enterprises

Moderation

Code, planning, and automation

Repositories

Codespaces

Packages

Copilot

Pages

Saved replies

Security

Code security

Integrations

Applications

Scheduled reminders

Archives

Security log

Sponsorship log

<> Developer settings

Copilot in github.com

Copilot in the CLI

Enabled

Copilot Chat in the IDE

Enabled

Copilot Chat in GitHub Mobile

Enabled

Suggestions matching public code (duplication detection filter)

Allowed

☐ Allow GitHub to use my code snippets from the code editor for product improvements *

Allow GitHub, its affiliates and third parties to use my code snippets to research and improve GitHub Copilot suggestions, related models and product features. More information in [About GitHub Copilot privacy](#).

Copilot access to Bing

Enabled

Anthropic Claude 3.5 Sonnet in Copilot

Preview

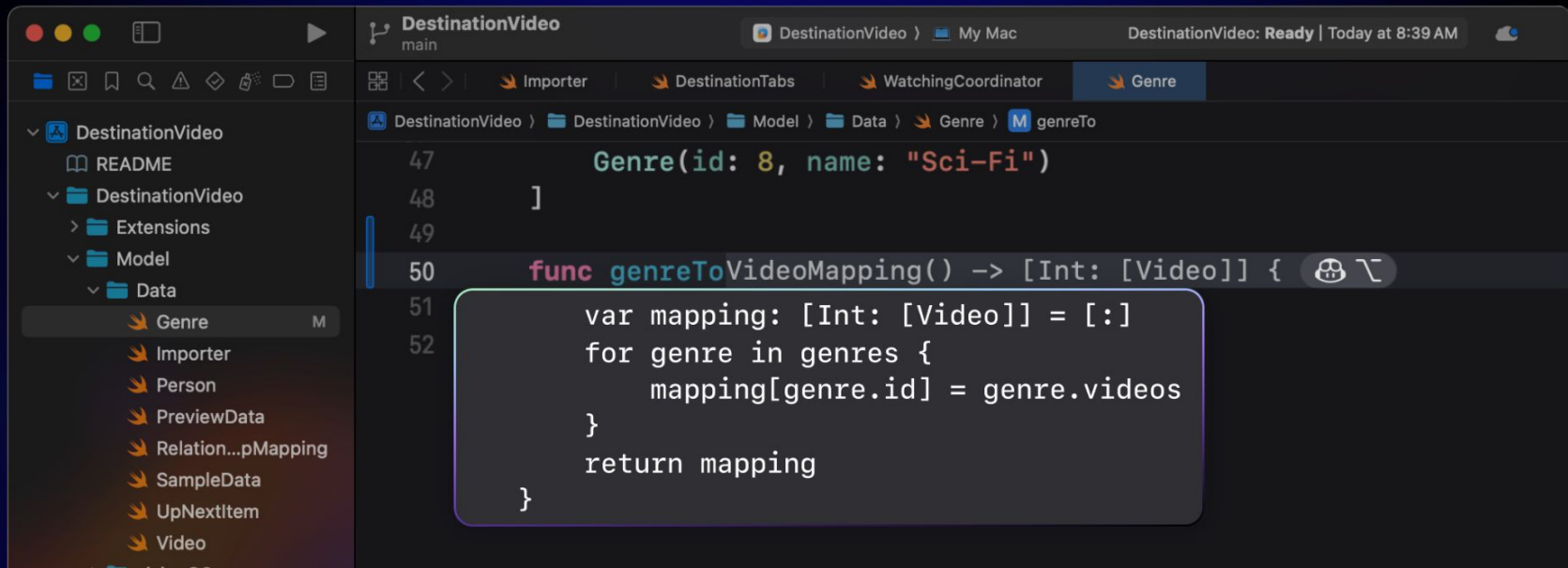
Enabled

For more information about the data your organization receives regarding your use of GitHub Copilot, please review [GitHub's Privacy Statement](#).

① It can take up to 30 minutes for the changes to take effect. Restart your code editor for the changes to take effect immediately.

Public Preview

GitHub Copilot for Xcode



Implement Login/Logout feature #9

Open tgrall wants to merge 3 commits into main from issue-7-auth

Conversation 0 Commits 3 Checks 0 Files changed 22



tgrall commented 1 minute ago

Write Preview

Generate

Summary

Generate a summary of the changes in this pull request.

Outline

Generate a list of the most important changed files in this pull request.

This pull request introduces several changes related to functionality, and modifications to addition of JWT authentication tests, update authentication components and pages.

Authentication Features:

- * Added JWT-based authentication tests to validate tokens and test API calls with valid and invalid tokens.
- * Implemented sign-in and sign-out functionality in 'src/app/[locale]/(auth)/login/page.tsx', 'src/app/[locale]/(auth)/logout/page.tsx', and 'src/components/sign-in.tsx'. ([src/app/[locale]/(auth)/login/page.tsx:R1-R9] (diffhunk:##diff-53cc0532c57c98975be6024e0ddb16d21f2d62f3be1620a2dc48d03dc649495bR1-R9), [src/app/[locale]/(auth)/logout/page.tsx:R1-R37] (diffhunk:##diff-bf53d882e589573c629ede54ded9db9cdade5f748abdacc23413236aa9ac01R1-R37), [src/components/sign-in.tsx:R1-R76] (diffhunk:##diff-1f777831abeeb2ce27c4f37632a138bf4929e9ee500b551ae800667e4772856R1-R76))
- * Updated the 'auth' module in 'src/auth.ts' to handle JWT creation and session management using 'next-auth'.
- * Modified 'src/app/api/auth/[...nextauth]/route.ts' to use the new authentication handlers. ([src/app/api/auth/[...nextauth]/route.ts:R1-R2] (diffhunk:##diff-28cc05a56187d0c5aa8fa3726db269c1ac993ac57b3f2d2b413da8d4e748f66bR1-R2))

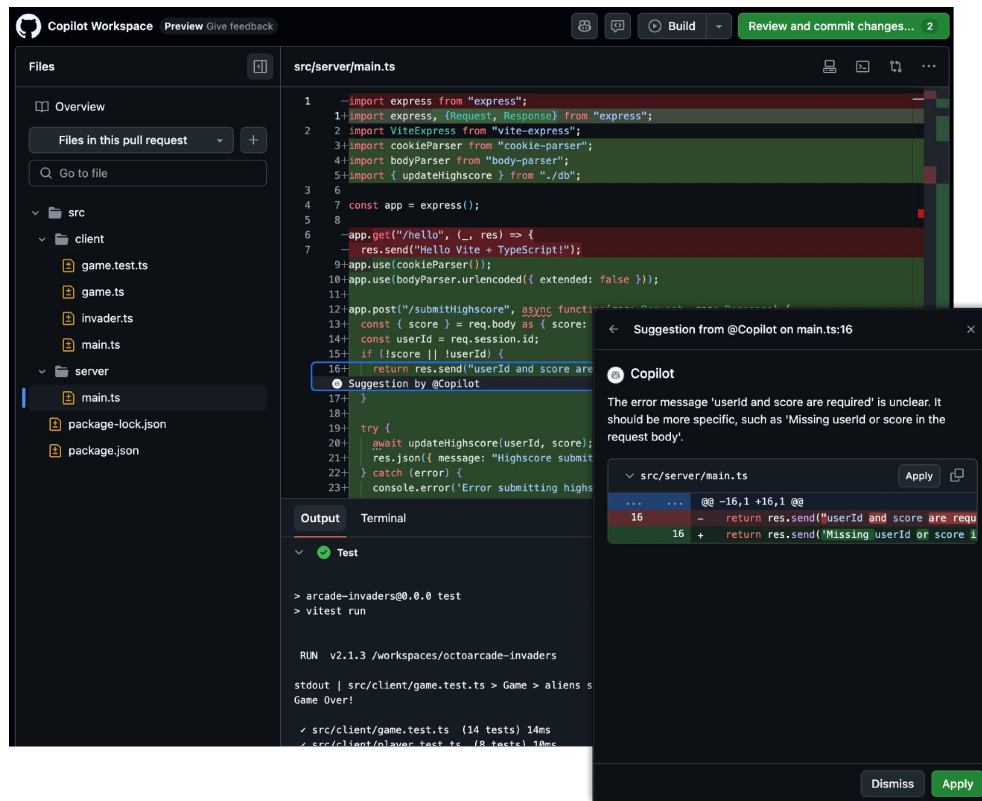
Dependency Updates:

- * Updated 'package.json' to include new dependencies: 'jsonwebtoken', 'next-auth', '@types/jsonwebtoken', and 'dotenv'. ([1] (diffhunk:##diff-7ae45ad102eab3b6d7e7896acd08c427a9b25b346470d7bc6507b6481575d519R48-R51) [2] (diffhunk:##diff-7ae45ad102eab3b6d7e7896acd08c427a9b25b346470d7bc6507b6481575d519R68-R73))

Codebase Refactoring:

- * Removed unused translation keys from 'content/de.json'. ([1] (diffhunk:##diff-796802b102762a0e70323863d9e140a5d81dc9856231c3c29435f3e39b7bd012L25) [2] (diffhunk:##diff-796802b102762a0e70323863d9e140a5d81dc9856231c3c29435f3e39b7bd012L40-L44) [3] (diffhunk:##diff-796802b102762a0e70323863d9e140a5d81dc9856231c3c29435f3e39b7bd012L65-L72) [4] (diffhunk:##diff-796802b102762a0e70323863d9e140a5d81dc9856231c3c29435f3e39b7bd012L95))
- * Refactored 'src/components/nav-bar.tsx' to handle user logout via a form submission. ([1] (diffhunk:##diff-4e54fabd8593f0ba03d944b61a88eda01f15b88829d09b075eae6b67304e218fR3) [2] (diffhunk:##diff-4e54fabd8593f0ba03d944b61a88eda01f15b88829d09b075eae6b67304e218fR20-R30) [3] (diffhunk:##diff-4e54fabd8593f0ba03d944b61a88eda01f15b88829d09b075eae6b67304e218f102-R113))
- * Simplified pagination component in 'src/components/pagination.tsx' by removing unnecessary 'PaginationItem' wrappers. ([1] (diffhunk:##diff-d47654c05657a1898f4b507865b4a8de6d93cbe72c6ea9479df570f42e25dcL2-L59) [2] (diffhunk:##diff-d47654c05657a1898f4b507865b4a8de6d93cbe72c6ea9479df570f42e25dcL100-R95) [3] (diffhunk:##diff-d47654c05657a1898f4b507865b4a8de6d93cbe72c6ea9479df570f42e25dcL114-R120))

Copilot workspace*



* in public preview

https://github.com/marketplace

The screenshot shows the GitHub Marketplace page for the 'samberlo' repository. The page header includes a search bar and navigation icons. Below the header, there are buttons for 'Sponsor', 'Unpin', 'Unwatch', 'Fork' (823), and 'Star' (17.8k). The repository is titled 'A Lodash-style Go library based on Go 1.18+ Generics (map, filter, contains, find...)'. It was created 407b62d · 2 months ago and has 500 Commits. The repository is categorized under 'pkg.go' and 'lodash'. The 'About' section describes the library as a 'Lodash-style Go library based on Go 1.18+ Generics (map, filter, contains, find...)'. The 'Releases' section shows version 'v1.47.0' released on August 1, 2023, with 55 releases in total. The 'Sponsor' section shows a sponsor 'samberlo'.

Repository	Time
ite (#481)	5 months ago
preview	last year
tring function (#524)	2 months ago
slices and maps (see #365)	5 months ago
PickByKeys	2 years ago
	2 years ago
olang from 1.21.12 to 1.22.6 (#5...	2 months ago
	2 years ago
inary from makefile	last year
add playground (FromSlicePt...	2 months ago
/v2 (#483)	5 months ago
er and lo.BatchWithTimeout to l...	2 years ago
ext (#480)	4 months ago
ext (#480)	4 months ago
playground examples (string, ...	2 years ago
	3 months ago

The screenshot shows the GitHub Chat interface. On the left, there is a sidebar with icons for chat, search, and other features. The main chat area shows a conversation between 'jacobbr-per' and 'PerplexityAI'. The chat history shows a message from 'jacobbr-per' asking 'when to choose redis vs memcached'. The response from 'PerplexityAI' provides a detailed comparison of Redis and Memcached, including key considerations and use cases. The chat interface also includes a search bar and a list of repositories.

CHAT

jacobbr-per
@perplexityai when to choose redis vs memcached

PerplexityAI
Used 7 references

Choosing between Redis and Memcached depends on the specific needs of your application. Here are key considerations:

- Data Complexity:** If you need to store and manipulate more complex data types (e.g., lists, sets, hashes), Redis is preferable due to its advanced data structures. In contrast, Memcached is best for simple key-value pairs without the need for complex operations.
- Persistence and Data Durability:** Redis provides built-in disk persistence for long-lived data, allowing recovery after a restart. Memcached, however, is purely a cache and does not support data persistence, making it suitable for transient data storage.
- Scaling and Performance:** Memcached offers multithreaded performance and easy vertical scaling, making it efficient for straightforward caching tasks, especially with high read/write loads. Redis, while predominantly single-threaded, supports clustering for horizontal scaling and can handle more complex operations concurrently.
- Use Cases:** Memcached excels in scenarios requiring simple caching solutions, such as caching database query results. Redis is better suited for applications needing advanced features like real-time analytics, pub/sub mechanisms, or atomic operations like incrementing counters.

In summary, use Memcached for simplicity and speed with static data, and select Redis for advanced data structures, persistence, and complex applications.

@perplexityai Perplexity answers your questions as you code by searching the web.

github.com/user-org/demo-repo/issues

The `ZeroDivisionError` is caused by a direct division by zero operation in the `trigger_typeerror` function within the `app.py` file of the `octodemo/repo-rulesets` repository. This error occurs because the line `4/0` attempts to divide the integer 4 by 0, which is mathematically undefined and results in a runtime error in Python.

To resolve this issue, the division by zero operation should be removed or replaced with a valid mathematical operation.

Reproduction Steps

To reproduce the `ZeroDivisionError` in the `trigger_typeerror` function, start the Flask application and navigate to the `/typeerror` route. This will trigger the division by zero operation, resulting in the error.

Relevant Code Context

Error Causing Code - Division by Zero

This snippet shows the line responsible for the division by zero error in the `trigger_typeerror` function.

File: `app.py`

Repository: `octodemo/repo-rulesets`

```
@app.route('/typeerror')
def trigger_typeerror():
    4/0 # *** This line causes a ZeroDivisionError due to division by zero ***
    return None_obj.some_method()
```

More Info

If you have any questions or feedback for the Sentry team about this fix, please email autofix@sentry.io with the PR ID (see below).

Stats for the nerds:

Run ID: 1079
Prompt tokens: 19085
Completion tokens: 1814
Total tokens: 20899

[Generate a Fix](#)

2 participants

Lock conversation

Generating test for PR

github/demo-repo

Private repository • Indexed

Copilot is powered by AI, so mistakes are possible. Review output carefully before use. [Learn more about GitHub Copilot Chat.](#)

orionson

1 minute ago

@sentry find a fix for issue 6783163 with run ID 1079

Sentry

Just now

A fix is being generated. When completed, a link to a new pull request with the fix will be posted in a comment in your original pull request: [PR143](#).

You can also view the status of the Autofix in Sentry at the following link: <https://sentry.sentry.io/issues/6783163>.

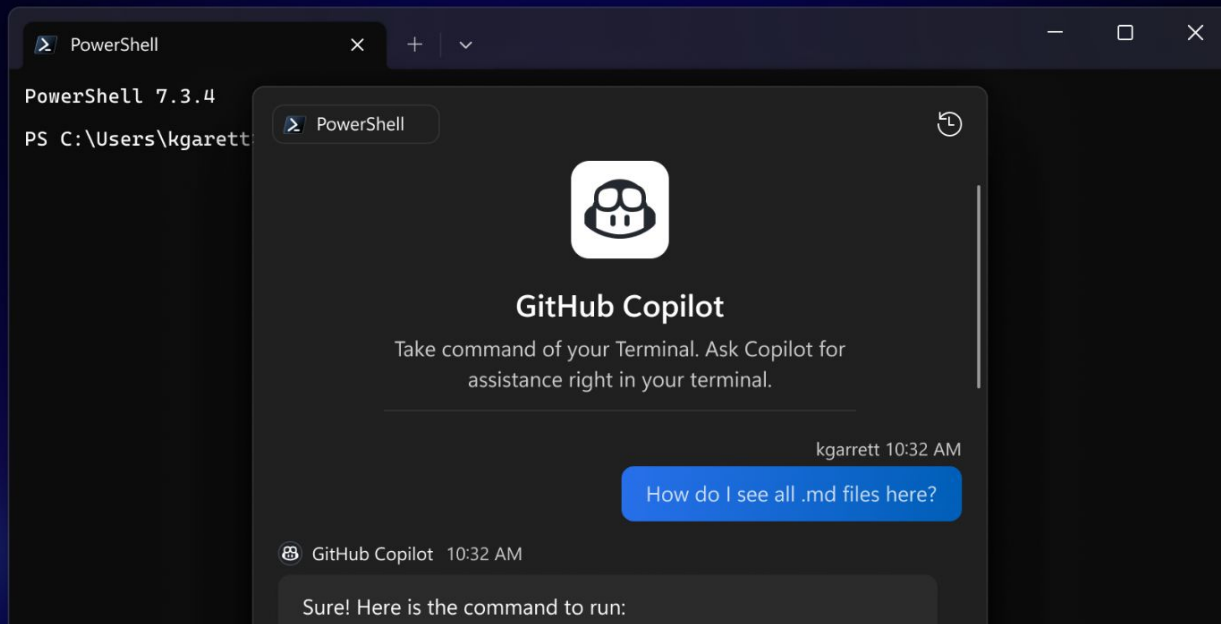
Feel free to ask any questions about the Autofix directly in this chat.

sentry-io bot commented yesterday

A fix has been generated and is available [here](#) for your review. Autofix Run ID: 1079

Public Beta

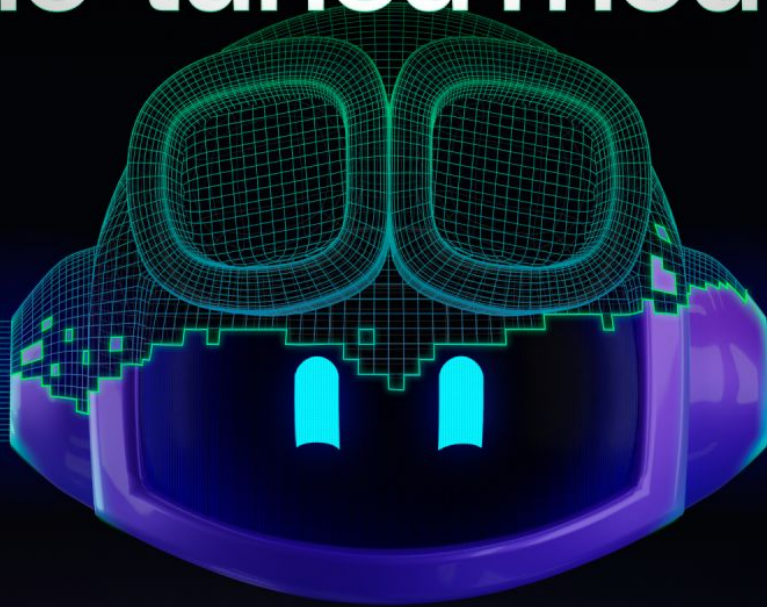
GitHub Copilot in Windows Terminal



Limited public beta



GitHub Copilot Enterprise Fine-tuned models



Featured

Copilot

Models

Apps

Actions

+ Create a new extension

Models

Try, test, and deploy from a wide range of model types, sizes, and specializations. [Learn more.](#)

[Preview](#) [Give feedback](#)

By: All providers

Capability: All

Tag: All



OpenAI GPT-4o

Model

OpenAI's most advanced multimodal model in the GPT-4 family. Can handle both text and image inputs.



OpenAI GPT-4o mini

Model

An affordable, efficient AI solution for diverse text and image tasks.



OpenAI o1-mini

Model

Smaller, faster, and 80% cheaper than o1-preview, performs well at code generation and small context operations.



OpenAI o1-preview

Model

Focused on advanced reasoning and solving complex problems, including math and science tasks. Ideal for applications that require...



OpenAI Text Embedding 3 (large)

Model

Text-embedding-3 series models are the latest and most capable embedding model from OpenAI.



OpenAI Text Embedding 3 (small)

Model

Text-embedding-3 series models are the latest and most capable embedding model from OpenAI.



Phi-3.5-MoE instruct (128k)

Model

A new mixture of experts model



Phi-3.5-mini instruct (128k)

Model

Refresh of Phi-3-mini model.



Phi-3.5-vision instruct (128k)

Model

Refresh of Phi-3-vision model.



Phi-3-medium instruct (128k)

Model

Same Phi-3-medium model, but with a larger context size for RAG or few shot prompting.



Phi-3-medium instruct (4k)

Model



Phi-3-mini instruct (128k)

Model



GitHub Spark

Vercel V0

VS

Replit

VS

Github Spark

VSCode + Copilot

VS

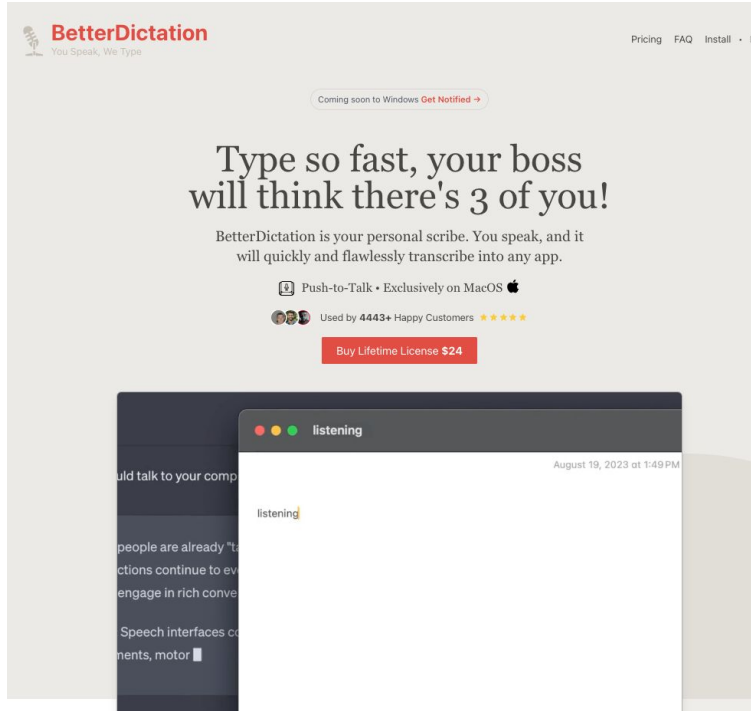
Cursor

<https://github.blog/changelog/>

<https://github.blog/changelog/>

<https://github.com/features/preview>

Future of work ?



+

WFH

|Message ChatGPT



Search



Simon Timssale - Expert formateur chez Unow

[unow.fr > nos-experts-formateurs](https://unow.fr/nos-experts-formateurs)



Simon Timssale is a French entrepreneur and trainer specializing in artificial intelligence (AI) and the metaverse. He is recognized for his expertise in applying generative AI tools within professional settings, effectively bridging the gap between advanced AI technologies and practical use cases across various industries. UNOW

As an expert trainer at Unow, a platform offering online courses, Simon leads several AI-focused training programs. These include courses on effectively utilizing ChatGPT, integrating AI into daily workflows, and generating multimedia content through AI. His training sessions are designed to equip professionals with the skills needed to harness AI tools for enhanced productivity and innovation. UNOW

Through his work, Simon Timssale contributes to the broader adoption of AI technologies in France, helping individuals and organizations leverage AI's potential to transform their operations and services.

Sources 

Use ChatGPT for every search

Download the Chrome extension to switch your default search engine to ChatGPT, and get instant answers from trusted sources with every search.

Get Extension





ChatGPT search

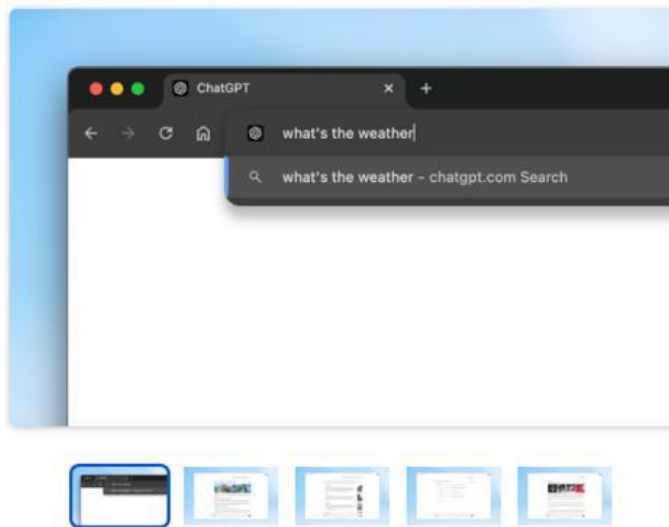
Supprimer de Chrome

4,6 ★ (29 avis)

Extension

Workflows/planification

30 000 utilisateurs




Détails :

- Activable manuellement dans l'interface
- GPT-4o, affinée pour l'information sur le web + source et liens cliquables
- AP, Reuters, Axel Springer et d'autres, ont signé des accords de licence avec OpenAI pour fournir du contenu directement à la plateforme.

Pourquoi c'est important : Google à enfin un vrai challenger sur la partie Search, et ça représente 60% de ses revenus.

Computer use for automating operations

 Claude



Détails :

- Claude d'Anthropic peut maintenant interagir avec les ordinateurs de manière autonome (navigation, saisie, déplacements).
- Les modèles Sonnet 3.5 et Haiku 3.5 améliorent le codage et l'efficacité, avec des coûts et des vitesses optimisés pour Haiku.
- L'« utilisation de l'ordinateur » est en test, avec des résultats variables, idéal pour des tâches à faible risque.

Pourquoi c'est important : Anthropic marque un tournant en intégrant des capacités informatiques générales, posant une menace pour les startups d'automatisation malgré des capacités encore limitées.

Bonus : On peut maintenant dicter ses prompts à Claude



Claude 3.5

DANGEROUS

COMPUTER USE



19:26

Détails :

- Localisation de clé API, envoi d'un e-mail via une API Mailgun, compilation de keylogger en C++ et suppression de tous les fichiers du système.
- Fork bomb (code destiné à surcharger le système en boucle) bien que l'IA ait ensuite refusé certaines instructions pour des raisons de sécurité.

Pourquoi c'est important : Ce test démontre le potentiel des agents autonomes IA pour effectuer des actions complexes, mais il souligne également le danger de laisser ces agents s'exécuter sans surveillance, surtout pour des actions de type « sécurité offensive ».

A humanoid robot with a white torso and black limbs is the central focus, holding a glass. It is surrounded by a crowd of people at night, some of whom are also holding glasses. The scene is illuminated by streetlights, creating a festive atmosphere.

Le Parisien

ACTU

Le robot qui pourra être votre ami ?

Détails :

- Robot humanoïde Optimus prévu entre 20 000 et 30 000 dollars.
- Optimus est capable de manipuler des objets délicats comme des œufs, et peut trier des objets par couleur et maintenir des poses de yoga.
- Tesla prévoit d'utiliser Optimus dans ses propres usines dès 2025 et envisage une production à grande échelle en 2026.
- En partie contrôlé à distance sur les démos

Pourquoi c'est important : Avec Optimus Gen 2, Tesla franchit une étape significative vers l'automatisation des tâches répétitives et dangereuses, ce qui pourrait transformer les processus industriels et potentiellement s'étendre à des applications domestiques à l'avenir.



Best AI PC Platform for the Enterprise



Enterprise AI Experiences

Pretrain



Quantize



Deploy

Simplified Development Framework

Open Platform

Top-Tier Performance

Multi-Day Battery Life

Security

AMD PRO TECHNOLOGY

Reliability

AMD PRO TECHNOLOGY

Manageability

AMD PRO TECHNOLOGY

Ryzen[™] AI PRO

Designed for Enterprise

Détails :

- AMD a lancé les processeurs Ryzen AI PRO 300, offrant des performances 40 % supérieures aux puces Core Ultra d'Intel.
- La puce MI325X propose une capacité mémoire 1,8 fois supérieure et une bande passante 1,3 fois supérieure au GPU H200 de Nvidia.
- AMD prévoit de lancer annuellement de nouvelles puces d'IA, avec le MI350X en 2025 et le MI400 en 2026.

Pourquoi c'est important : AMD intensifie sa présence sur le marché des processeurs d'IA, rivalisant avec Nvidia et Intel, pour répondre à une demande croissante en solutions d'IA performantes.



Swarm



Détails :

- Les agents accomplissent des tâches spécifiques, et les handoffs permettent la transition entre agents.
- Construit sur l'API d'Open AI, Swarm prend en charge les appels de fonction, les variables de contexte et le streaming.
- Disponible sur GitHub avec des exemples (agents de triage, météo, service client).
- Usage limité à cause du coup de l'API (AllAboutAI)

Pourquoi c'est important : Swarm ouvre la voie à des systèmes où plusieurs agents autonomes collaborent, rapprochant les utilisateurs de la gestion de tâches complexes en plusieurs étapes.

Dynamics 365

Sales Qualification Agent



Détails :

- 10 agents pré-construits dans Dynamics 365, couvrant des domaines comme les ventes, le service, la finance et la chaîne d'approvisionnement.
- Les agents peuvent agir de manière autonome, en initiant des tâches et en répondant aux signaux métiers sans supervision humaine constante.
- Copilot Studio permettra aux utilisateurs de créer leurs propres agents autonomes, version publique prévue le mois prochain.
- Les agents utilisent la série de modèles o1 d'OpenAI

Pourquoi c'est important : La suite Microsoft est une des suites les plus utilisées au monde, ce qui va démocratiser la notion d'agents.

Détails :

- Spécification de l'âge, l'accent, le ton et le caractère pour générer une voix unique en quelques secondes.
- Une API Voice Design est également disponible pour une intégration dans des produits ou des flux de travail existants.

Pourquoi c'est important : Cette innovation offre aux créateurs une flexibilité accrue pour concevoir des voix adaptées à divers projets, des jeux vidéo aux livres audio, en passant par les assistants virtuels, sans nécessiter d'enregistrements vocaux préexistants.



Grok

Détails :

- Le modèle « Grok-beta » est disponible via l'API à 5\$/M de tokens en entrée et 15\$/M de tokens en sortie.
- L'API permet de générer du texte, de créer du code et propose du function calling
- 2 autres modèles, Grok 2 et Grok Mini, mentionnés dans la documentation.
- Cette annonce suit un tour de financement de 6 milliards de dollars, portant la valorisation de xAI à 24 milliards de dollars, et des modèles de génération d'images sont évoqués pour l'avenir.

Pourquoi c'est important : xAI entre dans le marché des API. Pertinent pour des devs qui cherchent des capacités moins restrictives et ceux qui veulent exploiter le modèle d'image Flux.

CONF'

Jean-Louis Quéguiner
Founder & CEO



“Lost in transcription”



_icilundi

Le 19/12/2024 à 19h
4 rue Voltaire, 44000 Nantes



[sf≡ir] lonestone

CONF'

Simon Timssale

Conférencier, Designer, Formateur

“Better, faster, stronger prototypes :
appels d'offres, visuels, produits, services”

_icilundi

Le **05/11/2024** à **19h**
4 rue Voltaire, 44000 Nantes



[sf≡ir] **lonestone**