



TreScout

FRESH ONLY · DAILY TECHNOLOGY REPORT

Today's New Trends

August 5, 2026 (Wednesday)

A FEW SIPS

This report includes the trends that stood out today for the first time, without repeating what we have shared in recent days.

21 HIGHLIGHTS · ~32 MIN READ

8 GitHub Trending

5 Hacker News

5 HuggingFace · Daily Papers

3 Lobsters

01 uber/ADR

Developed by Uber, ADR protects corporate AI agents with observability, security benchmarking and threat detection methods. The software offers a security framework developed to increase the security of artificial intelligence systems.

Python · ★ 782 · +148 today <https://github.com/uber/ADR>

02 webpack/webpack

Webpack is a bundler that bundles JavaScript and other web assets together to run in the browser. It allows applications to be loaded when needed, thanks to the code splitting feature that divides modules into manageable parts.

JavaScript · ★ 65,961 · +10 today <https://github.com/webpack/webpack>

03 gabime/spdlog

spdlog is a very fast logging library developed for the C++ programming language. It offers high-performance output management to accelerate debugging and monitoring processes in software projects.

C++ · ★ 29,402 · +10 today <https://github.com/gabime/spdlog>

04 denoland/deno

Deno is a modern runtime environment designed for JavaScript and TypeScript languages. Developed in Rust language, this tool offers an alternative infrastructure to the traditional Node.js platform with its security and performance-oriented structure.

Rust · ★ 108,091 · +31 today <https://github.com/denoland/deno>

05 angular/angular

Developed by Google, Angular is a comprehensive framework used to create scalable web applications. With its TypeScript-based structure, it offers tools that standardize and structure the development process in complex projects.

TypeScript · ★ 100,882 · +13 today <https://github.com/angular/angular>

06 tailwindlabs/tailwindcss

Tailwind CSS is a utility-first style sheet framework (CSS framework) focused on rapid user interface development. It enables the rapid creation of original interfaces by offering low-level classes instead of ready-made design components.

TypeScript · ★ 96,571 · +52 today <https://github.com/tailwindlabs/tailwindcss>

07 **browser-use/video-use** back in the spotlight

Python-based video-use enables coding agents to automate video editing processes. It allows software developers to manage video editing processes with text-based commands.

Python · ★ 19,482 · +320 today <https://github.com/browser-use/video-use>

08 **EveryInc/compound-engineering-plugin** back in the spotlight

Compound Engineering plugin is a system developed for AI coding tools such as Claude Code, Cursor and Codex. It offers a standard structure to manage complex tasks in software development processes.

TypeScript · ★ 23,934 · +40 today <https://github.com/EveryInc/compound-engineering-plugin>

01 In Memory of My Wife, Elise Cawley, with Thanks for 36 Wonderful Years

Stephen Wolfram, founder of Wolfram Research, published a personal tribute upon the death of his life partner Elise Cawley. The article presents a life story focusing on Cawley's identity as a mathematician and the couple's thirty-six-year relationship.

1,205 points · 67 comments <https://writings.stephenwolfram.com/2026/08/in-memory-of-my-wife-elise-cawley-1961-2026-with-thanks-for-36-wonderful-years/>

Discussion: news.ycombinator.com/item?id=49173165 (1.205 oy · 67 yorum)

02 Show HN: Simple algorithm and color space to generate diverse skin tones

A new color space and algorithm has been developed to realistically render various skin tones in digital art and game development projects. This method allows users to easily select and procedurally generate different skin colors.

495 points · 91 comments <https://toneyaalexander.github.io/inclusive-color-space/>

Discussion: news.ycombinator.com/item?id=49170165 (495 oy · 91 yorum)

03 There Will Come Soft Rains (1950) [pdf]

There Will Come Soft Rains, written by Ray Bradbury, is about a dystopian future where technological progress continues even after humanity disappears. This short story, in which an automated house continues its daily routines, deals with the contrast between technology and nature.

373 points · 392 comments [https://users.wpi.edu/~zrbutzke/Docs/BradburyStories\(1\).pdf](https://users.wpi.edu/~zrbutzke/Docs/BradburyStories(1).pdf)

Discussion: news.ycombinator.com/item?id=49162653 (373 oy · 392 yorum)

04 Mistral's Shieldstral: 3B open-weights model for multimodal moderation

Shieldstral, published by Mistral AI, is a vulnerability-weighted model with 3 billion parameters developed for multimodal content moderation. It aims to detect harmful content and provide a safe user experience by analyzing visual and textual data.

363 points · 90 comments <https://mistral.ai/news/shieldstral/>

Discussion: news.ycombinator.com/item?id=49171268 (363 oy · 90 yorum)

05 Waymo in Dallas

Waymo, which develops autonomous driving technology, opened its driverless vehicle service to all users in the city of Dallas. By expanding its operations in the region, the company brings its fully autonomous taxi (robotaxi) experience to a wider audience.

280 points · 470 comments <https://waymo.com/blog/shorts/dallas-open-to-all/>

Discussion: news.ycombinator.com/item?id=49172836 (280 oy · 470 yorum)

01 When Agents Learn to Be You: Benchmarking Privacy Leakage, Impersonation Risk, and Defenses in Persona Skills

Systems that transform personal interaction histories into portable skills (persona skills) increase the confidentiality of user data and the risks of identity impersonation. The evaluation tool called AntiSkillBench was developed to measure vulnerabilities and test defense mechanisms that arise in these personalization processes.

1 likes · 1 comments <https://huggingface.co/papers/2608.03700>

02 Video-DeepResearch: Towards the Next-Generation Multimodal Deepresearch Agent

Video-DeepResearch introduces a new framework that extends the capabilities of multimodal AI agents from static images to continuous video streams. The system aims to overcome basic limitations such as models turning to text-based searches instead of using visual tools and relying on their own internal knowledge rather than external sources.

10 likes · 1 comments <https://huggingface.co/papers/2608.03979>

03 Push-Wiper: Toward General-Purpose Robotic Cleaning across Varied Stains and Surfaces with Segmented Pushing Trajectories

Push-Wiper is a method developed for robots to clean sticky stains without spreading them on the surface. It makes surface cleaning more controlled with segmented pushing trajectories that gradually collect stains using a sponge.

1 likes · 1 comments <https://huggingface.co/papers/2608.00730>

04 ST-WAM: Semantic-Temporal World Action Model for Robust Manipulation under Visual Distribution Shifts

ST-WAM aims to solve the problem of visual inconsistency in world action models that model robotic actions and visual dynamics together. The model offers a more stable performance in robotic manipulation processes by preventing hallucinations that occur in visual changes other than the training data.

1 likes · 1 comments <https://huggingface.co/papers/2607.28993>

05 Quo Vadis, World Modeling?

World modeling offers a simulation layer that allows AI agents to receive safe and low-cost feedback before taking action in the real world. This approach allows agents to make more controlled and efficient decisions in complex tasks by predicting physical states.

12 likes · 1 comments <https://huggingface.co/papers/2608.02713>

01 The Lua community needs to learn to move on

The Lua community faces a call to adapt to modern development practices by reducing dependence on older versions of the language. Software developers argue that new standards should be adopted instead of backward compatibility to keep the ecosystem up-to-date.

67 points · 26 comments <https://hisham.hm/2026/08/04/the-lua-community-needs-to-learn-to-move-on/>

Discussion: lobste.rs/s/t7wzko/lua_community_needs_learn_move_on (67 oy · 26 yorum)

02 Security is Hard, Y'all

Software security continues to be a challenging process due to the margin of error and human factors in complex systems. Cybersecurity expert Eric Lawrence discusses the technical and operational hurdles to completely eliminating vulnerabilities in software development processes.

64 points · 5 comments <https://textslashplain.com/2026/08/04/security-is-hard-yall/>

Discussion: lobste.rs/s/qoptbx/security_is_hard_y_all (64 oy · 5 yorum)

03 Enabling the next iteration of the borrow checker on nightly

Developers of the Rust programming language have brought Polonius, the next generation version of the borrow checker that ensures memory safety, to the testing phase. This update aims to reduce the constraints experienced by developers by allowing the compiler to analyze complex code structures more flexibly.

55 points · 0 comments <https://blog.rust-lang.org/2026/08/04/enabling-polonius-alpha-on-nightly/>

Discussion: lobste.rs/s/skft2i/enabling_next_iteration_borrow_checker (55 oy · 0 yorum)

framework

It is a basic structure that provides ready-made libraries and a set of rules that makes your work easier when developing software.

bundler

It is a tool that combines many files in a software project and makes them easy for the browser to run.

code splitting

It is a method of dividing large code files into small pieces and loading them as needed to increase the loading speed of the website.

logging

It is the recording of a program to keep track of the operations it performs or the errors it encounters while it is running.

runtime

It refers to the moment when the written code is run on the computer and the environment needed in this process.

utility-first

It is an approach to quickly create styles using predefined small and functional commands while designing.

CSS framework

It is a set of tools that offers ready-made design templates to quickly beautify the appearance of web pages.

coding agents

They are artificial intelligence software that can act like a programmer and write code, fix errors and develop projects.
