
Top picks

OpenMythos: A theoretical reconstruction of the Claude Mythos architecture, built from first principles using the available research literature

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• Student

OpenMythos proposes a theoretical model for the Claude architecture by reconstructing its design from first principles using existing research. This approach aims to clarify how the system functions without relying on proprietary details. Understanding this structure could help developers better align their own models with proven effective patterns in large language systems.

<https://github.com/kyegomez/OpenMythos>

TRE Python binding — ReDoS robustness demo

Simon Willison

The author created a Python binding for the TRE regular expression engine using ctypes to test it against malicious inputs designed to cause denial-of-service attacks. Unlike Python's standard library, which suffers from catastrophic backtracking, TRE remains robust because it lacks backtracking support. This demonstration highlights a critical security advantage for developers needing reliable regex handling in Python.

<https://simonwillison.net/2026/May/4/tre-python-binding>

Also worth a glance

A little comparison between R and Kap

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<https://blog.dhsdevelopments.com/a-little-comparison-between-r-and-kap>

Rust is participating in Outreachy

Rust blog

<https://blog.rust-lang.org/2026/05/04/outreachy-2026-may>

Train Your Own LLM from Scratch

Hacker News top

<https://github.com/angelos-p/llm-from-scratch>

pgxbackup: Continuity Support for pgBackRest

Hacker News top

<https://thebuild.com/blog/2026/05/01/pgxbackup-continuity-support-for-pgbackrest>

Bun is being ported from Zig to Rust

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<https://github.com/oven-sh/bun/commit/46d3bc29f270fa881dd5730ef1549e88407701a5>

PyInfra 3.8.0

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<https://github.com/pyinfra-dev/pyinfra/releases/tag/v3.8.0>

How LLMs Distort Our Written Language

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<https://sites.google.com/view/llmwritingdistortion/home>

Async Rust never left the MVP state

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<https://tweedegolf.nl/en/blog/237/async-rust-never-left-the-mvp-state>

Alpine Linux systems currently offline

LWN

<https://lwn.net/Articles/1071176>

Kernel prepatch 7.1-rc2

LWN

<https://lwn.net/Articles/1070980>

April 2026 newsletter

Simon Willison

<https://simonwillison.net/2026/May/4/april-newsletter>

Podman rootless containers and the Copy Fail exploit

Lobsters

<https://garrido.io/notes/podman-rootless-containers-copy-fail>