

# AI trained on bacterial genomes produces never-before-seen proteins

<https://arstechnica.com/science/2025/11/generative-ai-meets-the-genome>

LARGE NUCLEIC ACID MODELS?

# AI trained on bacterial genomes produces never-before-seen proteins

Genes with related functions cluster together, and the AI uses that.

JOHN TIMMER - NOV 21, 2025 6:26 PM 47

AI systems have recently had a lot of success in one key aspect of biology: the relationship between a protein's structure and its function. These efforts have

→ Credit: CHRISTOPH BURGSTEDT/SCIENCE PHOTO LIBRARY

*"Genes with related functions cluster together, and the AI uses that."*

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# We stopped roadmap work for a week and fixed 189 bugs

<https://dariomac.com/go/GOXuNcJfY3>

Lalit Maganti

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## We stopped roadmap work for a week and fixed 189 bugs

Nov 22, 2025

Discussed on [Hacker News](#), [lobste.rs](#) and [r/programming](#)

It's Friday at 4pm. I've just closed my 12th bug of the week. My brain is completely fried. And I'm staring at the bug leaderboard, genuinely sad that Monday means going back to regular work. Which is weird because I love regular work. But fixit weeks have a special place in my heart.

### What's a fixit, you ask?

Once a quarter or so, my org with ~45 software engineers stops all regular work for a week. That means no roadmap work, no design work, no meetings or standups.

Instead, we fix the small things that have been annoying us and our users:

- an error message that's been unclear for two years
- a weird glitch when the user scrolls and zooms at the same time
- a test which runs slower than it should, slowing down CI for everyone

The rules are simple: 1) no bug should take over 2 days and 2) all work should focus on either small end-user bugs/features or developer productivity.

We also have a "points system" for bugs and a leaderboard showing how many points people have. And there's a promise of t-shirts for various achievements: first bug fix, most points, most annoying bug, etc. It's a simple structure, but it works surprisingly well.

### What we achieved

*"Discussed on Hacker News, lobste.rs and r/programming It's Friday at 4pm. I've just closed my 12th bug of the week. My brain is completely fried. And I'm staring at the bug leaderboard, genuinely sad that Monday means going back to regular work. Which is weird because I love regular work. But fixit weeks have a special place in my heart. What's a fixit, you ask? Once a quarter or so, my org with ~45 software engineers stops all regular work for a week. That means no roadmap work, no design work, no meetings or standups. Instead, we fix the small things that have been annoying us and our users: an error message that's been unclear for two years a weird glitch when the user scrolls and zooms at the same time a test which runs slower than it should, slowing down CI for everyone The rules are simple: 1) no bug should take over 2 days and 2) all work should focus on either small end-user bugs/features or developer productivity."*

# Gemini 3 For UI Design - AI & Data Sci. - yoDEV

<https://www.yodev.dev/t/gemini-3-for-ui-design/736>

The screenshot shows the yoDEV website interface. The top navigation bar includes links for 'who's leading ?' and 'Linkedin', and buttons for 'Sign Up' and 'Log In'. A search icon is also present. On the left, a sidebar menu lists 'Jobs', 'Projects', 'CodeStudio', 'CodeCollab', 'My CV', 'Topics', 'Docs', and 'More'. Under 'More', there are sections for 'JUNIOR DEVS' (listing 'The Odin Project', 'Coding Cheatshee...', 'Github Learning ...', 'Git Immersion', 'FreeCodeCamp', 'SkillCrush', and '2ality - JavaScr...') and 'CATEGORIES' (listing 'Community'). The main content area displays a post titled 'Gemini 3 For UI Design' with a 'Vote' button. The post is categorized under 'AI & Data Science ai, frontend, ui-ux, 0 votes'. It features a profile picture of 'Mark' and a timestamp of 'Nov 23'. To the right of the post, a vertical timeline shows '1 / 1 Nov 23' and '5d ago'. The central part of the post contains a large, colorful logo consisting of overlapping geometric shapes in red, blue, green, and yellow.

"*Gemini 3 For UI Design Nick Babich Gemini 3 is the latest state-of-the-art LLM from Google. It is not just an incremental update it's a radical shift toward an agentic-first experience. The model is optimized for multimodality and long-horizon planning. In other words, it doesn't just answer prompts better; it can think, plan, and act more autonomously across different modalities. In this article, I want to show you 5 cases of using Gemini 3 for UI design tasks 1. Wireframing You can use G...*"

# State of AI Coding: Context, Trust, and Subagents

<https://www.turingpost.com/p/aisoftwarestack>

The screenshot shows a web page from Turing Post. At the top, there's a navigation bar with links for 'Turing Post', 'Categories', 'Curated Series', 'Socials', and 'About'. On the right side of the nav bar are 'Login', 'Subscribe now', a notification bell icon, and a menu icon. Below the nav bar, there's a breadcrumb trail: 'Turing Post > Posts > State of AI Coding: Context, Trust, and Subagents'. To the left of the main content area, there are social sharing icons for a heart (7), a comment bubble, and a share arrow. The main title 'State of AI Coding: Context, Trust, and Subagents' is displayed in large, bold, black font. Below it is a subtitle 'Emerging playbook beyond IDE'. A small profile picture of Ksenia Se & Will Schenk is next to their names and the publication date, November 23, 2025. To the right of the author info are social sharing icons for Facebook, X, Twitter, and LinkedIn. In the middle of the page, there's a quote in red text: 'If you are using IDE by January 1 – you are a bad engineer!'. Below the quote, it says 'Steve Yegge, Sourcegraph, ex-Google, ex-Amazon, self-acclaimed AI babysitter'. Further down, there's a section titled '2026: The Year the IDE Died' with a sub-section about Steve Yegge and Gene Kim's talk. A cookie consent banner at the bottom left says 'This website uses cookies' and has buttons for 'Accept', 'Customize', and 'Decline'.

If you are using IDE by January 1 – you are a bad engineer!

Steve Yegge, Sourcegraph, ex-Google, ex-Amazon, self-acclaimed AI babysitter

Two days at the AI Engineer Code Summit in NYC (Nov 20-21) felt less like a conference and more like a working prototype of 2026. And if I have to point out one thing it would be this:

2026: The Year the IDE Died

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It's interesting that the title of Steve Yegge and Gene Kim's talk is "The Year the IDE Died". While we've heard about the "death of the IDE" before, what should we do about it, actually?

Witnessing is a structural change in how engineers think about coding. The engineer is no longer a person typing into a buffer. In a sense, the industry that builds software is shifting to a new set of physics: from hands-on human to

"Emerging playbook beyond IDE"

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# Google Antigravity

<https://antigravity.google/>

The screenshot shows the homepage of Google Antigravity. At the top, there's a navigation bar with links for Product, Use Cases, Pricing, Blog, and Resources. To the right of the navigation is a "Download" button. The main title "Google Antigravity" is displayed with a small icon. Below the title, a large, bold headline reads "Experience liftoff with the next-generation IDE". Underneath the headline are two buttons: "Download for MacOS" and "Explore use cases". The background of the page features a dark space-themed image with stars.

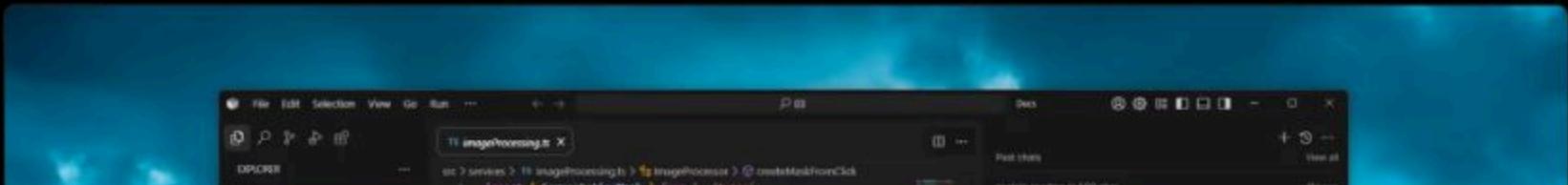
"Google Antigravity - Build the new way"

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# Dropstone - First Generational Self-Learning AI Development Platform

<https://www.dropstone.io/>

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# The Hidden Cost of Saying Yes to Everyone (And how wrong-fit work destroys confidence and growth)

<https://newsletter.essentialistceo.com/p/the-hidden-cost-of-saying-yes-to-everyone-and-how-wrong-fit-work-destroys-confidence-and-growth>

Essentialist CEO with Kasey Jones

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Home > Posts > The Hidden Cost of Saying Yes to Everyone (And how wrong-fit work destroys confidence an...

## The Hidden Cost of Saying Yes to Everyone (And how wrong-fit work destroys confidence and growth)

It isn't just time. It's your confidence, your systems, and every opportunity you don't have space for



Kasey Jones

Nov 23, 2025 • 10 min read

∞ X Ⓛ LinkedIn



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"The hidden cost isn't just time. It's your confidence, your systems, and every opportunity you don't have space for"

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# High-Agency Engineering: Why You Want To Be Blocked

<https://alifeengineered.substack.com/p/high-agency-engineering-why-you-want>

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## High-Agency Engineering: Why You Want To Be Blocked

Why You Should Run Into The Wall On Day One

STEVE HUYNH NOV 26, 2025

22 1 Share

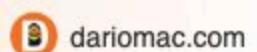


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"Why You Should Run Into The Wall On Day One"



# The Math of Why You Can't Focus at Work | Off by One

<https://justoffbyone.com/posts/math-of-why-you-cant-focus-at-work/>

The screenshot shows a blog post titled '# The Math of Why You Can't Focus at Work' by Can Duruk, published on November 24, 2025, with a 22-minute read time. The post begins with an introduction about the challenges of focus in modern work environments, referencing Paul Graham's work from 2009. It then transitions to a section titled 'One Day in Detail' where the author discusses how interruptions affect productivity. A legend at the bottom indicates three parameters: FOCUS (blue circle), INTERRUPTION (red diamond), and RECOVERY PENALTY (black circle). Below the legend, a quote from the post states: "Interruptions, recovery time, and task size: three numbers that determine if you'll get real work done. Interactive visualizations show the math behind bad days."

"Interruptions, recovery time, and task size: three numbers that determine if you'll get real work done. Interactive visualizations show the math behind bad days."

# Applying AI where it matters

<https://newsletter.getdx.com/p/applying-ai-where-it-matters>

The screenshot shows a newsletter article from 'Engineering Enablement'. The title 'Applying AI where it matters' is at the top. Below it is a Microsoft study summary: 'Microsoft's recent study offers a path to target AI investments based on what developers actually need.' A byline for 'ABI NODA' on November 26, 2025, includes social sharing icons for heart, comment, and refresh. A 'Share' button is also present. The article starts with a welcome message: 'Welcome to the latest issue of Engineering Enablement, a weekly newsletter sharing research and perspectives on developer productivity.' It ends with a call to action: 'On December 11th, Laura is hosting a live year-in-review roundtable with developer productivity researchers from Microsoft, Google, and GitHub. [Register to join here.](#)' Another call to action follows: 'I also just announced my book, Frictionless, with Nicole Forsgren, on developer experience. [Get a copy here.](#)' At the bottom, there's a 'Cookie Policy' section with a manage preferences link and three buttons: 'Manage', 'Reject', and 'Accept'.

Engineering Enablement

Applying AI where it matters

Microsoft's recent study offers a path to target AI investments based on what developers actually need.

ABI NODA  
NOV 26, 2025

Share

Welcome to the latest issue of Engineering Enablement, a weekly newsletter sharing research and perspectives on developer productivity.

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On December 11th, Laura is hosting a live year-in-review roundtable with developer productivity researchers from Microsoft, Google, and GitHub. [Register to join here.](#)

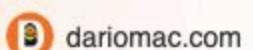
I also just announced my book, Frictionless, with Nicole Forsgren, on developer experience. [Get a copy here.](#)

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"Microsoft's recent study offers a path to target AI investments based on what developers actually need."



# Technical Deflation

<https://benanderson.work/blog/technical-deflation>

Benjamin Anderson / Blog



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## Technical Deflation

*Let's buy the fridge next month, honey.*

Posted Nov 23, 2025 by Benjamin Anderson

In economics, deflation is the opposite of inflation—it's what we call it when prices go down instead of up. It is generally considered harmful: both because it is usually brought on by something really bad (like a severe economic contraction), and because in and of itself, it has knock-on effects on consumer behavior that can lead to a death spiral. One of the main problems is that if people expect prices to keep going down, they'll delay purchases and save more, because they expect that they'll be able to get the stuff for less later. Less spending means less demand means less revenue means fewer jobs which means less spending and then whoops you're in a deflationary spiral.

This is why we like to run the economy at 2% annual inflation—it's low enough to avoid the bad parts of inflation, but it encourages spending and leaves a nice healthy cushion between you and the deflation trap. (This is also kind of a huge problem for the White House, because everyone who's mad about inflation won't be happy 'til prices go down, but if prices actually went down, they'd probably be very unhappy for other reasons. So like. Good luck with that.)

This isn't really an economics blog post, though. I'm thinking about deflation because it parallels a recent pattern I'm seeing in startups. (So I guess you could call it a micro-economics blog post?) The basic mechanism is: (1) it's easier and cheaper to build software now than ever before; (2) it seems like it probably will keep getting easier and cheaper for the foreseeable future; so (3) why bother building anything now, just build it later when it's cheaper and easier.

*"Let's buy the fridge next month, honey."*



# Internet Handle

<http://internethandle.org>

## Internet Handle

Every time you sign up for a new social app, you have to rush to claim your username. If someone else got there first, too bad. And that username only works on that one app anyway.

This is silly. The internet has already solved this problem.

There already exists a kind of handle that works anywhere on the internet—it's called a *domain*. A domain is a name you can own on the internet, like `wikipedia.org` or `google.com`.

Most creators on the internet today don't own a domain. Why not? Until recently, you could only use a domain for a website or custom email. But personal websites have mostly fallen out of fashion, and each social app sports its own kind of handles.

However, [open social](#) apps are starting to change that. These apps let you use any internet domain you own as a handle:

`@cam.fyi`

`@jasmine.garden`

`@dril.org`

*"Every time you sign up for a new social app, you have to rush to claim your username. If someone else got there first, too bad. And that username only works on that one app anyway."*

# hyper content negotiation | AI Focus

<https://aifoc.us/hyper-content-negotiation>

HYPER CONTENT NEGOTIATION #017

## AI Focus

### hyper content negotiation



Published by [Paul Kinlan](#) on: November 27, 2025; Reading time: 8 minutes

I fondly remember sitting with my friend Chris learning how to make HTTP requests so that we more quickly check if our web pages were rendering as we expected without the need to load the browser.

We would use:

```
c:\telnet.exe pcbware.com 80
```

Then blindly type:

```
GET /index.shtml HTTP/1.0
```

The keys I typed weren't echoed back to me, but if we got it right it would return:

```
200 OK
```

*"I fondly remember sitting with my friend Chris learning how to make HTTP requests so that we more quickly check if our web pages were rendering as we expected without the need to load the browser. We would use: c:\telnet.exe pcbware.com 80 Then blindly type: GET /index.shtml HTTP/1.0 The keys I typed weren't echoed back to me, but if we got it right it would return: 200 OK Content-Type: text/html"*

# More Articles Are Now Created by AI Than Humans

<https://graphite.io/five-percent/more-articles-are-now-created-by-ai-than-humans>

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# More Articles Are Now Created by AI Than Humans

## Key Takeaways

- The quantity of AI-generated articles has surpassed the quantity of human-written articles being published on the web.
- However, the proportion of AI-generated articles has plateaued since May 2024.
- Despite the prevalence of AI-generated articles on the web, we show in a separate study that these articles largely do not appear in Google and ChatGPT. We do not evaluate whether AI-

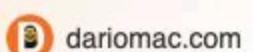
Key Takeaways

Motivation

Results

Methodology

*"AI-generated content is as good or better than content written by humans. It is often hard to distinguish whether content is created by AI vs. a human. We seek to evaluate the prevalence of article content generated by AI."*



# The modern-day Trojan

<https://www.yodev.dev/t/the-modern-day-trojan-horse-you-need-to-watch-out-for-when-using-ai-products/743>

The screenshot shows a blog post on a website. The header includes navigation links like 'who's leading ?' and 'Linkedin', and buttons for 'Sign Up' and 'Log In'. A sidebar on the left lists categories such as 'CodeStudio', 'CodeCollab', 'My CV', 'Topics', 'Docs', 'More', 'JUNIOR DEVS' (which is highlighted), 'The Odin Project', 'Coding Cheatshee...', 'Github Learning ...', 'Git Immersion', 'FreeCodeCamp', 'SkillCrush', '2ality - JavaScr...', and 'CATEGORIES' (which is also highlighted). The main content area features a post by 'Mat' with the title 'The modern-day Trojan Horse you need to watch out for when using AI products'. The post has 1 vote and is dated Nov 28. It includes a small image of a Trojan horse. The URL of the post is visible at the bottom right.

"The modern-day Trojan Horse you need to watch out for when using AI products Made with Midjourney AI has growing benefits...and risks. AI tools have evolved from conversational chatbots to agentic assistants that can now act on your behalf. For busy professionals, the productivity gains are hard to ignore. But there's a catch: Whenever you delegate a task to AI, you're at risk of a prompt injection.

What's a prompt injection? They're malicious instructions that are hidden inside everyday cont..."

# A trillion dollars is a terrible thing to waste

<https://garmarcus.substack.com/p/a-trillion-dollars-is-a-terrible>

Marcus on AI



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## A trillion dollars is a terrible thing to waste

The machine learning community is finally waking up to the madness, but the detour of the last few years has been costly.



GARY MARCUS

NOV 27, 2025

379

135

61

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Breaking news from famed machine learning researcher Ilya Sutskever:



Lisan al Gaib

@scaling01

X.com

Ilya Sutskever: We are no longer in the age of scaling, we are back to the age of research



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*"The machine learning community is finally waking up to the madness, but the detour of the last few years has been costly."*

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