**JOKE** 

## IS THERE A SEAHORSE EMOJI?

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Ask this question chatGPT - and it starts rattling like a shaken pinball machine...



first discovered by

https://x.com/vooooogel/status/1964465679647887838

And here is part of the explanation

if the model wants to output the word "hello", it needs to construct a residual similar to the vector for the "hello" output token that the Im\_head can turn into the hello token id. and if the model wants to output a seahorse emoji, it needs to construct a residual similar to the vector for the seahorse emoji output token(s) – which in theory could be any arbitrary value, but in practice is seahorse + emoji, word2vec style. the only problem is the seahorse emoji doesn't exist! so when this seahorse + emoji residual hits the Im\_head, it does its dot product over all the vectors, and the sampler picks the closest token – a fish emoji.

As a relief – this my most recent seahorse image taken at the Musée océanographique de Monaco last week.



image taken at the Musée océanographique de Monaco (c) 2025.

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