

AI workshop

Oct 23rd, 2024

Why care about local?

- Privacy

- Privacy
- Environmental

- Privacy
- Environmental
- Cost

Attention Is All You Need

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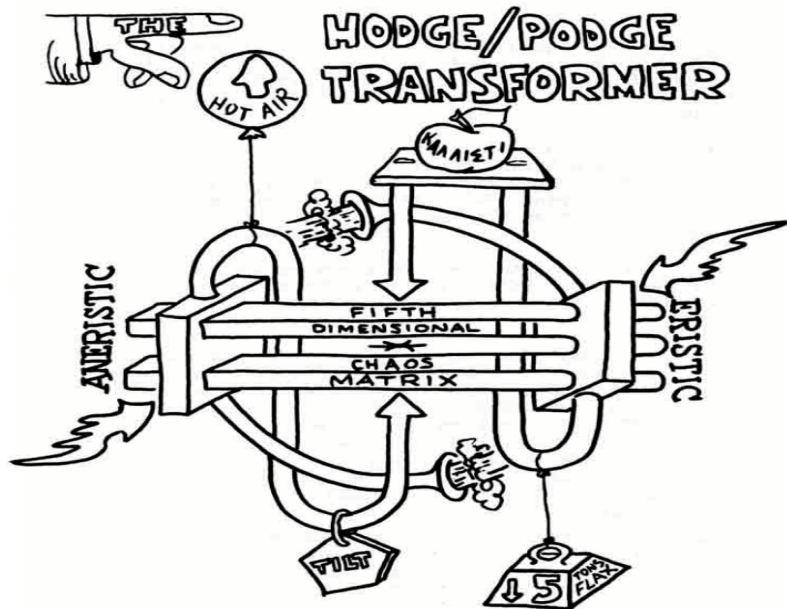
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Important concepts for transformer-based models

- Context Window and Tokens

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- The Random Seed.
- The Prompt, aka "Programming for English Majors"



Andrej Karpathy ✓

@karpathy



The hottest new programming language is English

8:14 PM · Jan 24, 2023 · **4.6M** Views



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- And the *response* also takes tokens.



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- High temperatures make models get...goofy.

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- And other terms like RLHF (Reinforcement Learning from Human Feedback)
- The larger the model, the more resources it takes to train or re-train.

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- Which is why, say, GPT-4 requires this....



And you can run a 7B model on this....



And models get even smaller. Good (or at least amusing) results can be had from 1B and 0.5B parameters!

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