



change encoding to match nearby words

text → token → encoding → **Transformer** → ANN → decoder → word

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**Transformer** architecture

# Class chat/ Q&A tool

by hand

by prompt / suggestion

by agent

Requirements



Specification  
Stories



design



[write code

test



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thumbnail  
onion skin



←

bug



LLM: make code to  
Serialize HTML  
↳ code

read/review

LLM: change ~~X~~  
why did you ~~Y~~

me: Requirements

LLM: makes a prototype

me: add tests use design Z

LLM: (does)

me: that does X not Y

facial recognition



all internet-trained ML  
has lopsided training data

# Algorithmic Bias

