

ChatGPT: What's Going on in that Brain of Yours?



Justin Grammens – Founder + CEO



SOFTWARE DEVELOPMENT DONE RIGHT™



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ChatGPT reached 1 million users in 5 days and 100 million users in 2 months!



Note: It took TikTok 9 months and Instagram 2 years to reach 100 million users

Outline

- About Me
- What are Large Language Models
- Hands on with GPT-2 (as a model for GPT-3)
- Explore OpenAI Tools
 - Playground
 - API
 - Plugins (time permitting)

About Me

- Founder, **Lab651 & Recursive Awesome** – Custom Software Development and AI Strategic Consulting
- Co-founder, **Captovation** – AI powered online presentation coaching platform
- Owner, **AI Weekly News** – Publication covering AI
- Host of the “**Conversations on Applied AI Podcast**”
- Adjunct Professor, **University of Saint Thomas** – Teaching graduate courses on IoT & ML
- Co-founder, **Applied AI** – 501(c)(3) non-profit: Monthly meetups, conferences, videos and podcasts on AI/ML



Large Language Models

- Generative mathematical models of the statistical distribution of tokens in the vast public corpus of human-generated text.
- Sentence: “The first person to walk on the Moon was”
- Really asking: Given the statistical distribution of words in the vast public corpus of (English) text, what words are most likely to follow the sequence?
- Answer: Neil Armstrong

GPT Releases

- Version 1.0 – June 2018
 - 117 million parameters
- Version 2.0 – February 2019
 - 1.5 billion parameters
- Version 3.0 – May 2020
 - 175 billion parameters
 - 100x larger than version 2.0
- Version 4.0 – March 2023
 - 1+ trillion parameters
 - 6x larger than version 3.0



- Cloud & desktop hybrid, integrated computation platform
- Uses the Wolfram Language
- Built in algorithms, data and shared knowledge base
- Run computations locally or in the cloud
- Similar to Jupyter notebooks or Google's Colab environment

Examples - OpenAI

- Docs Reference (Start here) - <https://platform.openai.com/docs/introduction>
- Examples - <https://platform.openai.com/examples>
- API Reference - <https://platform.openai.com/docs/api-reference>
- Playground - <https://platform.openai.com/playground>
- Open AI Cookbook - <https://github.com/openai/openai-cookbook>

Thank You!

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Please reach out. I would love to connect
and discuss more!

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Next Year!*

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Slides & Workbook



QR Code to GitHub repo
with the workbook and links
to examples

Feedback



<https://that.land/3NHmQdL>