ChatGPT: Optimizing Language Models for Dialogue

chat.openai.com

New chat

Входящие (465) - scornici80@gmail.com - Gmail

ChatGPT

☼ Examples

"Explain quantum computing in simple terms" →

"Got any creative ideas for a 10 year old's birthday?" →

"How do I make an HTTP request in Javascript?" →

⚡ Capabilities

Remembers what user said earlier in the conversation

Allows user to provide follow-up corrections

Trained to decline inappropriate requests

⚠ Limitations

May occasionally generate incorrect information

May occasionally produce harmful instructions or biased content

Limited knowledge of world and events after 2021

ChatGPT Jan 9 Version. Free Research Preview. Our goal is to make AI systems more natural and safe to interact with. Your feedback will help us improve.

Cognixia®

ChatGPT Prompt Engineering for Developers

www.cognixia.com

About Cognixia

Cognixia- A Digital Workforce Solutions Company is dedicated to delivering exceptional trainings and certifications in digital technologies. Founded in 2014, we provide interactive, customized training courses to individuals and organizations alike, and have served more than 130,000 professionals across 45 countries worldwide.

Our team of more than 7000 industry experts facilitate more than 450 comprehensive digital technologies courses, along with state-of-the-art infrastructure, to deliver the best learning experience for everyone. Our comprehensive series of instructor-led online trainings, classroom trainings and on-demand self-paced online trainings cover a wide array of specialty areas, including all of the following:

• IoT
• Big Data
• Cloud Computing
• Cyber Security
• Machine Learning
• AI & Deep Learning
• Blockchain Technologies
• DevOps

Cognixia is ranked amongst the top five emerging technologies training companies by various prestigious bodies. We're also RedHat Enterprise Partner, Microsoft Silver Learning Partner and an authorized training partner for ITIL, Automation Anywhere and ISC2.

OUR AWARDS & AFFILIATIONS

Best Workplace Amongst Emerging Enterprises Awarded By **Great Indian Workplace Awards** – 2018 Mumbai, India

Best Training Provider of the Year Awarded By **The Golden Globe Tiger Awards** – 2018 Kuala Lampur, Malaysia

World HRD Congress has awarded for Excellence in Training (Asia)

WORLD HRD CONGRESS — Cognixia is awarded as Training Company of the Year, 2018

ISO 9001:2015 Certified Quality Management System

ISO/IEC 27001:2013 Certified Information Security Management System

Best Emerging Technology Training Organization at the Middle East Training & Development Leadership Awards 2018

TOP CLOUD 5 TRAINING INSTITUTIONS INDIA 2016 — HIGHER EDUCATION Review

TOP 5 Big Data TRAINING INSTITUTES 2017 — siliconindia

TOP 10 PROMISING IoT TRAINING INSTITUTES IN INDIA 2017 — HIGHER EDUCATION Review

Top 10 IoT Training Companies for the Second consecutive year. 2017 IoT India MAGAZINE

siliconindia BEST TRAINING PROVIDER BIG DATA HADOOP DEVELOPER OF THE YEAR 2016

Top 10 IoT Training Institutes – 2016 Analytics India MAGAZINE

Asian Training & Leadership Award, Dubai

TOP 5 Emerging Technologies 2016 TRAINING COMPANIES siliconindia

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ChatGPT Market Outlook

- The generative AI market is poised to explode, growing to $1.3 trillion over the next 10 years from a market size of just $40 billion in 2022, according to a new report by Bloomberg Intelligence.

- As of October 2023, ChatGPT has over 180.5 million users worldwide, and it is projected to reach over 1 billion users by 2028, according to OpenAI.

- ChatGPT is proving to be immensely useful in the tech space to automate tasks, generate creative content, generate product descriptions, write blog posts, write and check code, automate & streamline workflows, and improve customer service.

Cognixia's ChatGPT Prompt Engineering for Developers Training & Certification

This course aims to help developers leverage large language models to build powerful new applications and capabilities that can learn to innovate and create value in ways that were until now cost-prohibitive, highly technical, or impossible. The course discusses how LLMs work, best practices for prompt engineering, and how LLM APIs can be used in applications for accomplishing different tasks.

Who should take this course?

This course is designed for current and aspiring software developers, application developers, engineers, etc.

Prerequisites

For this course, learners need:

- Learners need to have a basic understanding of Python for this course.

Program Structure

- 24 hours of live online instructor-led training
- Industry-experienced instructor
- 24x7 dedicated PoC support
- Multiple hands-on exercises and labs to ensure a great learning experience

DETAILED CURRICULUM : MODULES

Introduction

Guidelines

- Guidelines for prompting
- Prompting principles
    - o Principle 1: Write clear and specific instructions
    - o Principle 2: Give the model time to "think"
- Model Limitations: Hallucinations

Iterative
- Iterative Prompt Development
- Generate a marketing product description from a product fact sheet
    - o Issue 1: The text is too long
    - o Issue 2: Text focuses on the wrong details
    - o Issue 3: The description needs a table of dimensions

Summarizing
- Text to summarize
- Summarize with a word/sentence/character limit
- Summarize with a focus on shipping and delivery
- Summarize multiple product reviews

Inferring
- Inferring topics
- Make a news alert for certain topics.

Transforming
- Translation
    - o Universal Translator
- Tone Transformation
- Format Conversion
- Spellcheck/Grammar check

Expanding
- Customize the automated reply to a customer email
- Remind the model to use details from the customer's email

Chatbot
- The Chat Format
- OrderBot

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