

# Comparing OpenAI and ChatGPT



## Differences in purpose and user interfaces

OpenAI is a research organization whose primary goal is to develop AI, providing tools for diverse applications.

ChatGPT is developed by OpenAI. Positioned as a chatbot, ChatGPT focuses on delivering lifelike conversational experiences.

## Model training methods

OpenAI uses various machine learning methods. The models are trained with both labeled and unlabeled data.

GPT is pre-trained using vast amounts of unlabeled data to develop an intrinsic understanding of text.

## Use cases and target audiences

OpenAI caters to developers, researchers, businesses, and organizations with diverse goals.

ChatGPT serves individuals seeking personalized virtual assistance or engaging in conversations with AI.

## Cost and availability

OpenAI provides limited free access through its Playground and API platforms. Commercial use requires a subscription fee.

ChatGPT is accessible to anyone online. Offers paid versions: ChatGPT Plus and ChatGPT Enterprise.

## Success rate and accuracy

OpenAI has demonstrated impressive performance on various benchmarks.

While acknowledging potential flaws or inconsistencies, ChatGPT remains a popular choice for interactive AI.



# Openai Compare

**Luntian Mou**



## Openai Compare:

**Java for Programmers** Paul Deitel, Harvey M. Deitel, 2025-05-21 The professional programmer's Deitel guide to Java with integrated generative AI Written for programmers with a background in another high level language in Java for Programmers with Generative AI Fifth Edition you'll learn modern Java development hands on using the latest Java idioms and features and genAIs In the context of 200 real world code examples you'll quickly master Java fundamentals then move on to arrays strings regular expressions JSON CSV processing with the Jackson library private and public key cryptography classes inheritance polymorphism interfaces dependency injection exceptions generic collections custom generics functional programming with lambdas and streams JavaFX GUI graphics and multimedia platform threads virtual threads structured concurrency scoped values building API based Java genAI apps database with JDBC and SQLite the Java Platform Module System and JShell for Python like interactivity Features GenAI Prompt Engineering API Calls 600 GenAI Exercises ChatGPT Gemini Claude Perplexity Multimodal Text Code Images Audio Speech to Text Text to Speech Video Generics Collections Classes Methods Functional Programming Lambdas Streams JavaFX GUI Graphics Multimedia Concurrency Parallel Streams Virtual Threads Structured Concurrency Scoped Values Concurrent Collections Multi Core Database JDBC SQL SQLite Java Platform Module System JPMS Objects Natural Java API String BigInteger BigDecimal Date Time Cryptography ArrayList Regex JSON CSV Web Services JShell for Python Like Interactivity Want to stay in touch with the Deitels Contact the authors at [deitel@deitel.com](mailto:deitel@deitel.com) Join the Deitel social media communities [deitel.com linkedin](https://www.linkedin.com/company/deitel) [facebook.com](https://www.facebook.com/deitel) [DeitelFan instagram.com](https://www.instagram.com/DeitelFan) [DeitelFan x.com](https://twitter.com/DeitelFan) [deitel youtube.com](https://www.youtube.com/DeitelTV) [DeitelTV mastodon social](https://www.mastodon.social/deitel) [deitel](https://www.deitel.com) For source code and updates visit [deitel.com/javafp5](https://www.deitel.com/javafp5) Reviewer Comments The future of Java programming is here and this new edition of Deitel is leading the charge By embracing genAI head on the authors are potentially revolutionizing programming education Through its integrative approach to the use and study of genAI this book is positioned to be the leading book in modern Java and its applications Indeed I expect that it should be widely adopted by instructors who want to ingrain in their students an appreciation for the critical role that Java will play in data science machine learning artificial intelligence and cybersecurity The book's innovative and forward thinking use of genAI facilitates reader engagement and inspires readers to think critically about the benefits and limitations of AI as a programming aid Chapter 19 could become everyone's favorite new Java book chapter the generative AI API based code examples are interesting and fun All audiences of this book should read the Preface there's so much to get excited about It demonstrates with refreshing transparency and honesty how much love and care went into the reinvention of an already outstanding Java book by bringing it into a new frontier of what it means to be a programmer in today's world Bravo Your Preface statement GenAI has created an ultra high level programming capability that will leverage your Java learning experience and ability to produce robust top quality Java software quickly conveniently and economically is a great conclusion to the Preface intro really helps justify the use of genAI Brian Canada Professor of Computational

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*Programming Large Language Models with Azure Open AI* Francesco Esposito,2024-04-03 Use LLMs to build better business software applications Autonomously communicate with users and optimize business tasks with applications built to make the interaction between humans and computers smooth and natural Artificial Intelligence expert Francesco Esposito illustrates several scenarios for which a LLM is effective crafting sophisticated business solutions shortening the gap between humans and software equipped machines and building powerful reasoning engines Insight into prompting and conversational programming with specific techniques for patterns and frameworks unlock how natural language can also lead to a new advanced approach to coding Concrete end to end demonstrations featuring Python and ASP NET Core showcase versatile patterns of interaction between existing processes APIs data and human input Artificial Intelligence expert Francesco Esposito helps you Understand the history of large language models and conversational programming Apply prompting as a new way of coding Learn core prompting techniques and fundamental use cases Engineer advanced prompts including connecting LLMs to data and function calling to build reasoning engines Use natural language in code to define workflows and orchestrate existing APIs Master external LLM frameworks Evaluate responsible AI security privacy and accuracy concerns Explore the AI regulatory landscape Build and implement a personal assistant Apply a retrieval augmented generation RAG pattern to formulate responses based on a knowledge base Construct a conversational user interface For IT Professionals and Consultants For software professionals architects lead developers programmers and Machine Learning enthusiasts For anyone else interested in natural language processing or real world applications of human like language in software

*Artificial Intelligence for Art Creation and Understanding* Luntian Mou,2024-08-29 AI Generated Content AIGC is a revolutionary engine for digital content generation In the area of art AI has achieved remarkable advancements AI is capable of not only creating paintings or music comparable to human masterpieces but it also understands and appreciates artwork For professionals and amateurs AI is an enabling tool and an opportunity to enjoy a new world of art This book aims to present the state of the art AI technologies for art creation understanding and evaluation

The contents include a survey on cross modal generation of visual and auditory content explainable AI and music AI enabled robotic theater for Chinese folk art AI for ancient Chinese music restoration and reproduction AI for brainwave opera artistic text style transfer data driven automatic choreography Human AI collaborative sketching personalized music recommendation and generation based on emotion and memory MemoMusic understanding music and emotion from the brain music question answering emotional quality evaluation for generated music and AI for image aesthetic evaluation The key features of the book are as follows AI for Art is a fascinating cross disciplinary field for the academic community as well as the public Each chapter is an independent interesting topic which provides an entry for corresponding readers It presents SOTA AI technologies for art creation and understanding The artistry and appreciation of the book is wide ranging for example the combination of AI with traditional Chinese art This book is dedicated to the international cross disciplinary AI Art community professors students researchers and engineers from AI machine learning computer vision multimedia computing affective computing robotics etc art painting music dance fashion design etc cognitive science and psychology General audiences can also benefit from this book

**Python GPT Cookbook** Dr. Neil Williams, 2025-03-19 DESCRIPTION GPT has redefined the landscape of AI enabling the creation of powerful language models capable of diverse applications The objective of the Python GPT Cookbook is to equip readers with practical recipes and foundational knowledge to build business solutions using GPT and Python The book is divided into four parts The first covers the basics the second teaches the fundamentals of NLP the third delves into applying GPT in various fields and the fourth provides a conclusion Each chapter includes recipes and practical insights to help readers deepen their understanding and apply the concepts presented This cookbook approach delivers 78 practical recipes including creating OpenAI accounts utilizing playgrounds and API keys You will learn text preprocessing embeddings fine tuning and GPT integration with Hugging Face Learn to implement GPT using PyTorch and TensorFlow convert models and build authenticated actions Applications include chatbots email summarization DBA copilots and use cases in marketing sales IP and manufacturing By the end of the book readers will have a robust understanding of GPT models and how to use them for real world NLP tasks along with the skills to continue exploring this powerful technology independently WHAT YOU WILL LEARN Learn Python OpenAI TensorFlow Hugging Face and vector databases Master Python for NLP applications and data manipulation Understand and implement GPT models for various tasks Integrate GPT with various architectural components such as databases third party APIs servers and data pipelines Utilise NLTK PyTorch and TensorFlow for advanced NLP projects Use Jupyter for interactive coding and data analysis WHO THIS BOOK IS FOR The Python GPT Cookbook is for IT professionals and business innovators who already have basic Python skills Data scientists ML engineers NLP engineers and ML researchers will also find it useful TABLE OF CONTENTS 1 Introduction to GPT 2 Crafting Your GPT Workspace 3 Pre processing 4 Embeddings 5 Classifying Intent 6 Hugging Face and GPT 7 Vector Databases 8 GPT PyTorch and TensorFlow 9 Custom GPT Actions 10 Integrating GPT with

the Enterprise 11 Marketing and Sales with GPT 12 Intellectual Property Management with GPT 13 GPT in Manufacturing 14 Scaling up 15 Emerging Trends and Future Directions      **Computer Vision - ECCV 2024 Workshops** Alessio Del Bue, Cristian Canton, Jordi Pont-Tuset, Tatiana Tommasi, 2025-05-20 The multi volume set LNCS 15623 until LNCS 15646 constitutes the proceedings of the workshops that were held in conjunction with the 18th European Conference on Computer Vision ECCV 2024 which took place in Milan Italy during September 29 October 4 2024 These LNCS volumes contain 574 accepted papers from 53 of the 73 workshops The list of workshops and distribution of the workshop papers in the LNCS volumes can be found in the preface that is freely accessible online      **Lahndi Phonetics, with Special Reference to Awáṅkárí** Hardev Bahri, 1963      **A Corean Manual Or Phrase Book** James Scott, 1893      Natural Language Processing in Action, Second Edition Hobson Lane, Maria Dyshel, 2025-02-25 Develop your NLP skills from scratch with an open source toolbox of Python packages Transformers Hugging Face vector databases and your own Large Language Models Natural Language Processing in Action Second Edition has helped thousands of data scientists build machines that understand human language In this new and revised edition you ll discover state of the art Natural Language Processing NLP models like BERT and HuggingFace transformers popular open source frameworks for chatbots and more You ll create NLP tools that can detect fake news filter spam deliver exceptional search results and even build truthfulness and reasoning into Large Language Models LLMs In Natural Language Processing in Action Second Edition you will learn how to Process analyze understand and generate natural language text Build production quality NLP pipelines with spaCy Build neural networks for NLP using Pytorch BERT and GPT transformers for English composition writing code and even organizing your thoughts Create chatbots and other conversational AI agents In this new and revised edition you ll discover state of the art NLP models like BERT and HuggingFace transformers popular open source frameworks for chatbots and more Plus you ll discover vital skills and techniques for optimizing LLMs including conversational design and automating the trial and error of LLM interactions for effective and accurate results About the technology From nearly human chatbots to ultra personalized business reports to AI generated email news stories and novels natural language processing NLP has never been more powerful Groundbreaking advances in deep learning have made high quality open source models and powerful NLP tools like spaCy and PyTorch widely available and ready for production applications This book is your entrance ticket and backstage pass into the next generation of natural language processing About the book Natural Language Processing in Action Second Edition introduces the foundational technologies and state of the art tools you ll need to write and publish NLP applications You learn how to create custom models for search translation writing assistants and more without relying on big commercial foundation models This fully updated second edition includes coverage of BERT Hugging Face transformers fine tuning large language models and more What s inside NLP pipelines with spaCy Neural networks with PyTorch BERT and GPT transformers Conversational design for chatbots About the reader For intermediate Python programmers familiar with deep

learning basics About the author Hobson Lane is a data scientist and machine learning engineer with over twenty years of experience building autonomous systems and NLP pipelines Maria Dyshel is a social entrepreneur and artificial intelligence expert and the CEO and cofounder of Tangible AI Cole Howard and Hannes Max Hapke were co authors of the first edition

*Entrepreneurship* Sean Wise, Andrew Zacharakis, Andrew C. Corbett, William D. Bygrave, 2024-10-24 A balanced and practical combination of entrepreneurial theory and cases from a Canadian perspective In the newly revised second Canadian edition of *Entrepreneurship* a team of entrepreneurs professors researchers and mentors delivers an accessible and insightful combination of business concepts and cases illustrating contemporary entrepreneurial theory Exploring every stage of the entrepreneurial process this comprehensive textbook covers everything aspiring Canadian founders and future entrepreneurs need to know from ideation to funding launch marketing and more Throughout the introductory text a wealth of engaging case studies and examples demonstrate the real world application of business theory Perfect for students of business administration management and entrepreneurship *Entrepreneurship* offers a hands on learning experience that will appeal to learners who benefit from an abundance of contemporary real world cases and practical examples New to this Edition New case studies on Indigenous entrepreneurs social entrepreneurship and building a founding team New VIDEO cases on Cheekbone Beauty Cosmetics Wealthsimple and Peace by Chocolate New chapter on Indigenous entrepreneurship in Canada highlighting the 7 Grandfather Teachings and the 7 Generation Principle Updated coverage of the Global Entrepreneurship Monitor GEM the recent history of entrepreneurship the Lean Startup methodology Agile Development and Design Thinking Expanded material on the startup lifecycle key milestones first revenue Problem Solution Fit and Product Market Fit Updated information on new forms of funding such as Initial Coin Offerings ICOs and angel investors Expanded coverage of digital entrepreneurship digital resources and online platforms and tools New content on entrepreneurial ecosystems and entrepreneurial support organizations New content on small business family business and side hustles New discussion of entrepreneurial ethics policy and entrepreneurship and the impact of remote work Revised and expanded sections on the business planning process business models and the Lean Canvas Wiley Advantage Combines the concepts and theories of entrepreneurship with practical instruction and real life examples and cases Offers in depth discussion of digital entrepreneurship and the resources that help drive it including various online platforms and digital design tools Provides comprehensive and up to date coverage of various forms of entrepreneurship including necessity and opportunity based entrepreneurship and entrepreneurship by immigrants women and Indigenous people Covers all stages of the entrepreneurial process from pre startup through harvest Features end of chapter case studies of entrepreneurs in action including cases on Indigenous entrepreneurship and crowdfunding Includes sample syllabi chapter outlines case lecture notes an image bank discussion questions a test bank additional case studies classroom activities and other teaching resources **The Pacific** ,1904 THE FARMERS' REGISTER: A MONTHLY PUBLICATION DEVOTED TO THE

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