



# Openai This Month

**Kathleen Armour**



## Openai This Month:

THE EVOLUTION OF CHATGPT: FROM TEXT TO VOICE IN VIRTUAL WORDS Virendra Pal Singh, Durgesh Kumar, Pankaj Sharma, Dr. Javed Ahmad, Mr. Gaurav Kumar Rajput, 2023-12-12 ChatGPT is an artificial intelligence AI based chatbot that makes use of natural language processing in order to provide conversational discourse that sounds and feels like it was done with a real person. This is accomplished by producing conversational discourse in many languages including English, Japanese, and Korean. ChatGPT is a cloud based application that may be accessed using the Azure cloud platform. It was created by Microsoft Research. The language model is able to provide responses to inquiries as well as generate a variety of written material such as emails, posts on social networking sites, and posts on platforms that enable users to write in the format of an essay. On November 30, 2022, OpenAI developed ChatGPT, a big language model based chatbot, and made it available to the public. Only the beta version of ChatGPT was first made accessible to users. Through the utilization of this feature, users are provided with the capacity to enhance and lead a discussion in the direction of a desired duration, structure, style, level of information, and language. This ability is made available to users. What we refer to as the Chat Generative Pre-trained Transformer is referred to as ChatGPT in its shorter version. In order to determine the context of the dialogue at each level of the discussion, a method known as prompt engineering is utilized. This method involves looking at the prompts and responses that came before it in the conversation. ChatGPT is built on either the GPT 3.5 or the GPT 4 model, both of which are a part of OpenAI's proprietary line of generative pre-trained transformer (GPT) models. Both models were used in the construction of ChatGPT. Conversational interactions are one of the primary focuses of ChatGPT's design. The Google developed transformer architecture serves as the foundation for these models, which have been modified for use in conversational applications by employing a mix of supervised learning and reinforcement learning strategies. These methods were utilized in order to get a higher level of precision with the models. The research preview version of ChatGPT was made accessible to the general public for the very first time as a free service. **GPT-4 for Developers** Oswald

Campestrato, 2023-12-15 Extensive Python 3.x code samples generated using ChatGPT and GPT 4 covering diverse programming tasks and challenges. Comprehensive exploration of data visualization techniques using popular Python libraries such as Matplotlib and Seaborn. This resource is designed to bridge the gap between theoretical understanding and practical application, making it a useful tool for software developers, data scientists, AI researchers, and tech enthusiasts interested in harnessing the power of GPT 4 in Python environments. The book contains an assortment of Python 3.x code samples that were generated by ChatGPT and GPT 4. Chapter 1 provides an overview of ChatGPT and GPT 4, followed by a chapter which contains Python 3.x code samples for solving various programming tasks in Python. Chapter 3 contains code samples for data visualization, and Chapter 4 contains code samples for linear regression. The final chapter covers visualization with Gen AI, Generative AI, and DALL-E. Companion files with source code and figures are available for

downloading     **Introduction to Generative AI** Numa Dhamani, Maggie Engler, 2024-02-27 Generative AI tools like ChatGPT are amazing but how can you get the most out of them in your daily work This book introduces cutting edge AI tools and the practical techniques you need to use them safely and effectively     Unlocking the Potential of OpenAI's ChatGPT DAVID YAO, Have you heard of OpenAI's ChatGPT but have no idea what it is or how to use it Look no further This book provides a comprehensive introduction to this revolutionary language model In this book the author takes you through the history of ChatGPT and its capabilities as well as its practical applications in fields such as customer service content creation and data analysis You'll also learn how ChatGPT works and what sets it apart from other language models But that's not all the book also provides hands on examples and tutorials to help you put your newfound knowledge into practice The author will also address the limitations of the model and provide tips on how to achieve optimal results Whether you're a data scientist business owner or student this book is a must read for anyone looking to understand and utilize the power of ChatGPT With its comprehensive understanding of ChatGPT and its potential to transform the way we work and learn this book is sure to be a valuable resource So why wait Get your hands on a copy today and let OpenAI's ChatGPT work for you

**Monthly People** Sung-rea Park, 2024-02-21 Connecting people to people Connecting people and values We see the future through people We interview entrepreneurs scientists government officials politicians and others to see a better vision We hope that you the reader will use us as a medium to create better opportunities We hope that the stories of the people introduced through Monthly People will inspire you to have a better future and vision We bring to life the stories of people who are responding to the issues of the day and making innovations in various fields through on site interviews Through our content we aim to provide our readers with forward thinking insights and inspire them to create their own lives and opportunities     *Quick Start Guide to Large Language Models* Sinan Ozdemir, 2023-09-20 The Practical Step by Step Guide to Using LLMs at Scale in Projects and Products Large Language Models LLMs like ChatGPT are demonstrating breathtaking capabilities but their size and complexity have deterred many practitioners from applying them In Quick Start Guide to Large Language Models pioneering data scientist and AI entrepreneur Sinan Ozdemir clears away those obstacles and provides a guide to working with integrating and deploying LLMs to solve practical problems Ozdemir brings together all you need to get started even if you have no direct experience with LLMs step by step instructions best practices real world case studies hands on exercises and more Along the way he shares insights into LLMs inner workings to help you optimize model choice data formats parameters and performance You'll find even more resources on the companion website including sample datasets and code for working with open and closed source LLMs such as those from OpenAI GPT 4 and ChatGPT Google BERT T5 and Bard EleutherAI GPT J and GPT Neo Cohere the Command family and Meta BART and the LLaMA family Learn key concepts pre training transfer learning fine tuning attention embeddings tokenization and more Use APIs and Python to fine tune and customize LLMs for your requirements Build a complete neural semantic information retrieval system and

attach to conversational LLMs for retrieval augmented generation Master advanced prompt engineering techniques like output structuring chain of thought and semantic few shot prompting Customize LLM embeddings to build a complete recommendation engine from scratch with user data Construct and fine tune multimodal Transformer architectures using open source LLMs Align LLMs using Reinforcement Learning from Human and AI Feedback RLHF RLAIIF Deploy prompts and custom fine tuned LLMs to the cloud with scalability and evaluation pipelines in mind By balancing the potential of both open and closed source models Quick Start Guide to Large Language Models stands as a comprehensive guide to understanding and using LLMs bridging the gap between theoretical concepts and practical application Giada Pistilli Principal Ethicist at HuggingFace A refreshing and inspiring resource Jam packed with practical guidance and clear explanations that leave you smarter about this incredible new field Pete Huang author of The Neuron Register your book for convenient access to downloads updates and or corrections as they become available See inside book for details      **Strategic Management**

Jeffrey H. Dyer, Paul C. Godfrey, Robert J. Jensen, David J. Bryce, 2024-02-21 Students enjoy the concise and approachable style of Strategic Management Concepts and Cases 5th Edition Written in an accessible Harvard Business Review style with lots of practical examples and strategy tools this course engages students with an easy to understand learning experience to strategic management concepts that will help them succeed in today's workplace The newest edition of Strategic Management sparks ideas fuels creative thinking and discussion while engaging students via contemporary examples outstanding author produced cases unique Strategy Tool Applications and much more      **CHATGPT AUTOMATION WITH**

**PYTHON** Vance Pike, 2025-07-20 Discover how to combine the power of Python and ChatGPT to streamline tasks boost productivity and save valuable time even if you're not an expert This concise hands on guide helps you set up the OpenAI API and start automating practical real life workflows with working Python scripts From content generation to document summarization you'll learn how to write code that actually does something useful Inside you'll learn how to | Write automatic replies for emails and messages | Summarize long PDFs and text documents with just a few lines of code | Dynamically generate content like blog posts or captions | Create a reusable script template to automate new tasks quickly | Handle API errors and troubleshoot basic issues Whether you're a beginner with basic Python skills or a freelancer looking to work smarter this book shows you how to get results fast Perfect for Python learners ready to try something useful Developers curious about AI integration Busy creators and freelancers looking to save time Skip the fluff Learn by doing In less than 90 minutes you'll be automating tasks using real usable Python code      Monthly People Sung-rae Park, 2023-12-20 Connecting

people to people Connecting people and values We see the future through people We interview entrepreneurs scientists government officials politicians and others to see a better vision We hope that you the reader will use us as a medium to create better opportunities We hope that the stories of the people introduced through Monthly People will inspire you to have a better future and vision We bring to life the stories of people who are responding to the issues of the day and making

innovations in various fields through on site interviews Through our content we aim to provide our readers with forward thinking insights and inspire them to create their own lives and opportunities

**Artificial Intelligence for Financial Risk Management and Analysis** Derbali, Abdelkader Mohamed Sghaier, 2025-04-08 The revolution of artificial intelligence AI impacts various business sectors including accounting and finance Machine intelligence is on the rise in human interaction as novel technologies automate tasks and enhance human capabilities at an increasingly rapid rate While AI has the potential to assist in the identification and management of risks such as in financial risk measurement analysis and management the disruptive nature of these emerging technologies introduces new and complex scenarios Utilizing these technologies to facilitate decision making processes could result in biased inequitable and unreliable decisions giving rise to concerns regarding data privacy and security Further research is necessary to understand the implications of AI in financial practices

**Artificial Intelligence for Financial Risk Management and Analysis** delves into the most recent advancements in AI technologies that facilitate risk analysis and decision making It examines the potential risks these technologies pose to individuals businesses and establishments Covering topics such as firm management automation and long short term memory LSTM networks this book is an excellent resource for financial advisors banking professionals computer scientists professionals researchers academicians and more

*Large Language Models Projects* Pere Martra, 2024-09-18 This book offers you a hands on experience using models from OpenAI and the Hugging Face library You will use various tools and work on small projects gradually applying the new knowledge you gain The book is divided into three parts Part one covers techniques and libraries Here you ll explore different techniques through small examples preparing to build projects in the next section You ll learn to use common libraries in the world of Large Language Models Topics and technologies covered include chatbots code generation OpenAI API Hugging Face vector databases LangChain fine tuning PEFT fine tuning soft prompt tuning LoRA QLoRA evaluating models and Direct Preference Optimization Part two focuses on projects You ll create projects understanding design decisions Each project may have more than one possible implementation as there is often not just one good solution You ll also explore LLMops related topics Part three delves into enterprise solutions Large Language Models are not a standalone solution in large corporate environments they are one piece of the puzzle You ll explore how to structure solutions capable of transforming organizations with thousands of employees highlighting the main role that Large Language Models play in these new solutions This book equips you to confidently navigate and implement Large Language Models empowering you to tackle diverse challenges in the evolving landscape of language processing

**What You Will Learn** Gain practical experience by working with models from OpenAI and the Hugging Face library Use essential libraries relevant to Large Language Models covering topics such as Chatbots Code Generation OpenAI API Hugging Face and Vector databases Create and implement projects using LLM while understanding the design decisions involved Understand the role of Large Language Models in larger corporate settings

**Who This Book Is For** Data analysts data science Python developers

and software professionals interested in learning the foundations of NLP LLMs and the processes of building modern LLM applications for various tasks

*Mastering DevOps on Microsoft Power Platform* Uroš Kastelic, József Zoltán Vadkerti, 2024-09-05 Learn from Microsoft Power Platform experts how to leverage GitHub Azure DevOps and GenAI tools like Microsoft Copilots to develop and deliver secure enterprise scale solutions Key Features Customize Power Platform for secure large scale deployments with the help of DevSecOps practices Implement code first fusion projects with ALM and infuse AI in Power Platform using copilots and ChatOps Get hands on experience through real world examples using Azure DevOps and GitHub Purchase of the print or Kindle book includes a free PDF eBook Book Description Mastering DevOps on Microsoft Power Platform is your guide to revolutionizing business critical solution development Written by two Microsoft Technology Specialists with extensive experience in enterprise scale Power Platform implementations and DevOps practices this book teaches you how to design build and secure efficient DevOps processes by adapting custom software development practices to the Power Platform toolset dramatically reducing time cost and errors in app modernization and quality assurance The book introduces application life cycle management ALM and DevOps enabled architecture design patterns and CI CD practices showing you why companies adopt DevOps with Power Platform You ll master environment and solution management using Dataverse Git the Power Platform CLI Azure DevOps and GitHub Copilot Implementing the shift left approach in DevSecOps using GitHub Advanced Security features you ll create a Power Platform tenant governed by controls automated tests and backlog management You ll also discover advanced concepts such as fusion architecture pro dev extensibility and AI infused applications along with tips to avoid common pitfalls By the end of this book you ll be able to build CI CD pipelines from development to production enhancing the life cycle of your business solutions on Power Platform What you will learn Gain insights into ALM and DevOps on Microsoft Power Platform Set up Power Platform pipelines and environments by leveraging best practices Automate test monitor and secure CI CD pipelines using DevSecOps tools such as VS Code and GitHub Advanced Security on Power Platform Enable pro developer extensibility using fusion development to integrate Azure and Power Platform Provision enterprise landing zones and build well architected workloads Discover GenAI capabilities in Power Platform and support ChatOps with the copilot stack Who this book is for If you are a DevOps engineer cloud architect site reliability engineer solutions architect software developer or low code engineer looking to master end to end DevSecOps implementation on Microsoft Power Platform from basic to advanced levels this book is for you Prior knowledge of software development processes and tools is necessary A basic understanding of Power Platform and DevOps processes will also be beneficial

**CSS3 and SVG with GPT-4** Oswald CAMPESATO, 2024-07-22 This book is designed to equip you with the knowledge and skills necessary to navigate the intersection of web development and artificial intelligence AI It covers various aspects of modern web development and AI technologies with a particular emphasis on Generative AI CSS3 SVG JavaScript HTML and popular web features like 3D animations and gradients By exploring these topics readers

will gain a deeper understanding of how AI can enhance web development processes and how to leverage AI models like GPT 4 to streamline development workflows Web developers UI UX designers and software engineers seeking to blend traditional web development skills with the latest AI technologies will find this book to be a valuable resource **Large Language**

**Models for Developers** Oswald Campesato,2024-12-26 This book offers a thorough exploration of Large Language Models LLMs guiding developers through the evolving landscape of generative AI and equipping them with the skills to utilize LLMs in practical applications Designed for developers with a foundational understanding of machine learning this book covers essential topics such as prompt engineering techniques fine tuning methods attention mechanisms and quantization strategies to optimize and deploy LLMs Beginning with an introduction to generative AI the book explains distinctions between conversational AI and generative models like GPT 4 and BERT laying the groundwork for prompt engineering Chapters 2 and 3 Some of the LLMs that are used for generating completions to prompts include Llama 3 1 405B Llama 3 GPT 4o Claude 3 Google Gemini and Meta AI Readers learn the art of creating effective prompts covering advanced methods like Chain of Thought CoT and Tree of Thought prompts As the book progresses it details fine tuning techniques Chapters 5 and 6 demonstrating how to customize LLMs for specific tasks through methods like LoRA and QLoRA and includes Python code samples for hands on learning Readers are also introduced to the transformer architecture s attention mechanism Chapter 8 with step by step guidance on implementing self attention layers For developers aiming to optimize LLM performance the book concludes with quantization techniques Chapters 9 and 10 exploring strategies like dynamic quantization and probabilistic quantization which help reduce model size without sacrificing performance **FEATURES** Covers the full lifecycle of working with LLMs from model selection to deployment Includes code samples using practical Python code for implementing prompt engineering fine tuning and quantization Teaches readers to enhance model efficiency with advanced optimization techniques Includes companion files with code and images available from the publisher **Python 3**

**Data Visualization Using Google Gemini** Oswald Campesato,2024-04-22 This book offers a comprehensive guide to leveraging Python based data visualization techniques with the innovative capabilities of Google Gemini Tailored for individuals proficient in Python seeking to enhance their visualization skills it explores essential libraries like Pandas Matplotlib and Seaborn along with insights into the innovative Gemini platform With a focus on practicality and efficiency it delivers a rapid yet thorough exploration of data visualization methodologies supported by Gemini generated code samples Companion files with source code and figures are available for downloading **FEATURES** Covers Python based data visualization libraries and techniques Includes practical examples and Gemini generated code samples for efficient learning Integrates Google Gemini for advanced data visualization capabilities Sets up a conducive development environment for a seamless coding experience Includes companion files for downloading with source code and figures *Learn Generative AI with PyTorch* Mark Liu,2025-01-28 Learn how generative AI works by building your very own models that can write coherent



text create realistic images and even make lifelike music Learn Generative AI with PyTorch teaches the underlying mechanics of generative AI by building working AI models from scratch Throughout you ll use the intuitive PyTorch framework that s instantly familiar to anyone who s worked with Python data tools Along the way you ll master the fundamentals of General Adversarial Networks GANs Transformers Large Language Models LLMs variational autoencoders diffusion models LangChain and more In Learn Generative AI with PyTorch you ll build these amazing models A simple English to French translator A text generating model as powerful as GPT 2 A diffusion model that produces realistic flower images Music generators using GANs and Transformers An image style transfer model A zero shot know it all agent The generative AI projects you create use the same underlying techniques and technologies as full scale models like GPT 4 and Stable Diffusion You don t need to be a machine learning expert you can get started with just some basic Python programming skills About the technology Transformers Generative Adversarial Networks GANs diffusion models LLMs and other powerful deep learning patterns have radically changed the way we manipulate text images and sound Generative AI may seem like magic at first but with a little Python the PyTorch framework and some practice you can build interesting and useful models that will train and run on your laptop This book shows you how About the book Learn Generative AI with PyTorch introduces the underlying mechanics of generative AI by helping you build your own working AI models You ll begin by creating simple images using a GAN and then progress to writing a language translation transformer line by line As you work through the fun and fascinating projects you ll train models to create anime images write like Hemingway make music like Mozart and more You just need Python and a few machine learning basics to get started You ll learn the rest as you go What s inside Build an English to French translator Create a text generation LLM Train a diffusion model to produce high resolution images Music generators using GANs and Transformers About the reader Examples use simple Python No deep learning experience required About the author Mark Liu is the founding director of the Master of Science in Finance program at the University of Kentucky The technical editor on this book was Emmanuel Maggiori

**Empire of AI** Karen Hao, 2025-05-20 A NEW YORK TIMES BESTSELLER An eye opening account of the tech arms race shaping out planet from an award winning journalist and AI insider to the world of Sam Altman and OpenAI When longtime AI expert and journalist Karen Hao first began covering OpenAI in 2019 she thought they were the good guys Founded as a nonprofit with safety enshrined as its core mission it was meant its leader Sam Altman told us to act as a check against more purely market forces But the core truth of this massively disruptive sector is that it requires an unprecedented amount of proprietary resources the compute power of scarce high end chips the sheer volume of data that needs to be amassed at scale the humans on the ground cleaning it up for sweatshop wages throughout the Global South and a truly alarming spike in the need for energy and water underlying everything We have entered a new ominous age of empire with OpenAI setting a breakneck pace as a small group of the most valuable companies in human history try to chase it down In exhilarating prose and with unparalleled

access to those closest to Sam Altman Hao recounts the meteoric rise of OpenAI and shows us the sinister impact that this industry is having on society

**Azure for Developers** Kamil Mrzygłód, 2025-07-30 Advance your development career by mastering Microsoft Azure's latest tools and technologies to enhance existing applications and build powerful cloud native solutions Key Features Build and deploy Azure apps with web serverless and container based architectures Create end to end cloud solutions on Azure by integrating AI services monitoring tools and DevOps Upskill confidently with practical insights and real world development practices Purchase of the print or Kindle book includes a free PDF eBook Book Description Supercharge your development career by mastering Azure's evolving GenAI container and serverless capabilities to build scalable secure applications with confidence This third edition of Azure for Developers transforms complex cloud concepts into practical skills guiding you through the design deployment and management of cloud native solutions while eliminating infrastructure headaches Fully updated with Azure's latest features this hands on guide helps you automate DevOps pipelines with GitHub Actions deploy microservices using containers and integrate generative AI via Azure OpenAI to modernize your development workflows You will learn how to set up your environment streamline app deployment and implement robust service integrations using real world best practices The final section is a game changer for developers who want to stay ahead of the curve It shows you how to leverage Azure's AI and machine learning services to automate tasks fine tune models and build intelligent assistants and next generation workflows By the end you will have the confidence and capabilities to deliver production grade cloud solutions that meet real world demands and position yourself at the forefront of modern cloud development What you will learn Integrate data solutions like Azure Storage and managed SQL databases into your applications Embed monitoring into your application using Application Insights SDK Develop serverless solutions with Azure Functions and Durable Functions Automate CI CD workflows with GitHub Actions and Azure integration Build and manage containers using Azure Container Apps Azure Container Registry ACR and App Service Design powerful workflows with both low code and full code approaches Enhance applications with AI and machine learning components Who this book is for This book is for cloud developers and engineers building applications with Microsoft Azure as well as those looking to begin a career in Azure development While a basic understanding of programming concepts is recommended the book covers both basic and advanced ideas and solutions making it valuable for beginners and experienced developers looking to enhance their skills

**T-Minus AI** Michael Kanaan, 2020-08-25 Late in 2017 the global significance of the conversation about artificial intelligence AI changed forever China put the world on alert when it released a plan to dominate all aspects of AI across the planet Only weeks later Vladimir Putin raised a Russian red flag in response by declaring AI the future for all humankind and proclaiming that Whoever becomes the leader in this sphere will become the ruler of the world The race was on Consistent with their unique national agendas countries throughout the world began plotting their paths and hurrying their pace Now not long after the race has become a sprint Despite everything at stake to most of us AI remains shrouded by

a cloud of mystery and misunderstanding Hidden behind complicated and technical jargon and confused by fantastical depictions of science fiction the modern realities of AI and its profound implications are hard to decipher but crucial to recognize In T Minus AI Humanity s Countdown to Artificial Intelligence and the New Pursuit of Global Power author Michael Kanaan explains AI from a human oriented perspective we can all finally understand A recognized national expert and the U S Air Force s first Chairperson for Artificial Intelligence Kanaan weaves a compelling new view on our history of innovation and technology to masterfully explain what each of us should know about modern computing AI and machine learning Kanaan also dives into the global implications of AI by illuminating the cultural and national vulnerabilities already exposed and the pressing issues now squarely on the table AI has already become China s all purpose tool to impose its authoritarian influence around the world Russia playing catch up is weaponizing AI through its military systems and now infamous aggressive efforts to disrupt democracy by whatever disinformation means possible America and like minded nations are awakening to these new realities and the paths they re electing to follow echo loudly the political foundations and in most cases the moral imperatives upon which they were formed As we march toward a future far different than ever imagined T Minus AI is fascinating and crucially well timed It leaves the fiction behind paints the alarming implications of AI for what they actually are and calls for unified action to protect fundamental human rights and dignities for all

**Distributed, Ambient and Pervasive Interactions** Norbert A. Streitz, Shin'ichi Konomi, 2024-05-31 This two volume set LNCS 14718 14719 constitutes the refereed proceedings of the 12th International Conference on Distributed Ambient and Pervasive Interactions DAPI 2024 held as part of the 26th International Conference on Human Computer Interaction HCI International 2024 in Washington DC USA during June 29 July 4 2024 The total of 1271 papers and 309 posters included in the HCII 2024 proceedings was carefully reviewed and selected from 5108 submissions The DAPI conference addressed approaches and objectives of information interaction and user experience design for DAPI Environments as well as their enabling technologies methods and platforms and relevant application areas DAPI 2024 covered topics addressing basic research questions and technology issues in the areas of new modalities immersive environments smart devices and much more

## **Openai This Month** Book Review: Unveiling the Power of Words

In a world driven by information and connectivity, the power of words has been evident than ever. They have the capability to inspire, provoke, and ignite change. Such may be the essence of the book **Openai This Month**, a literary masterpiece that delves deep into the significance of words and their impact on our lives. Compiled by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we will explore the book's key themes, examine its writing style, and analyze its overall affect readers.

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