



OpenAI Dall-E2 Update is Mind-blowing



Openai Update Returns

Albert A Gayle



Openai Update Returns:

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 Join the Deitel social media communities deitel.com/linkedin [facebook.com/DeitelFan](https://deitel.com/facebook) [instagram.com/DeitelFan](https://deitel.com/instagram) [x.com/deitel](https://deitel.com/x) [youtube.com/DeitelTV](https://deitel.com/youtube) [mastodon.social/deitel](https://deitel.com/mastodon) For source code and updates visit 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

Science University of South Carolina Beaufort After reading your whole book it was fun to read the Preface that wraps everything up at a high level You have done some amazing work here and I m glad to have been a small part of it as a reviewer I especially appreciate how difficult it must have been to make sure everything was as up to date as possible with the speed at which things change in this field and the deftness with which you incorporated all the focus on GenAI and data science that s in this book Emily Navarro Ph D Continuing Lecturer Department of Informatics University of California Irvine The generative AI exercises are awesome and reflect the way modern developers work They are fun and let the reader explore and learn about AI by using AI how meta This allows readers to expand their knowledge and get a feel for the AI s code related capabilities Jeanne Boyarsky CodeRanch Java Champion Register your book for convenient access to downloads updates and or corrections as they become available See inside book for details Note eBooks are 4 color and print books are black and white

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

MongoDB in Action, Third Edition Arek Borucki,2025-08-19 Deliver flexible scalable and high performance data storage that s perfect for AI and other modern applications with MongoDB 8 0 and MongoDB Atlas multi cloud data platform In MongoDB 8 0 in Action Third Edition you ll find comprehensive coverage of the latest version of MongoDB 8 0 and the MongoDB Atlas multi cloud data platform Learn to utilize MongoDB s flexible schema design for data modeling scale applications effectively using advanced sharding features integrate full text and vector based semantic search

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Atlas CLI 14 Building retrieval augmented generation AI chatbots 15 Building event driven applications 16 Optimizing data processing with Atlas Data Federation 17 Archiving online with Atlas Online Archive 18 Querying Atlas using SQL 19 Creating charts database triggers and functions Part 3 20 Understanding Atlas and MongoDB security features 21 Operational excellence with Atlas Get a free eBook PDF or ePub from Manning as well as access to the online liveBook format and its AI assistant that will answer your questions in any language when you purchase the print book

Build AI-Enhanced Web Apps Theo Despoudis, 2026-03-17 This book shows you step by step and example by example how to build sites and applications that take advantage of large language models LLMs like GPT Claude and Llama Written especially for web developers comfortable with React or Next.js this book introduces the tools and techniques you need to add sophisticated AI features like Retrieval Augmented Generation RAG document summarization chatbots and more to your web based projects It guides you through AI development using only JavaScript and other common web dev skills no Python or Machine Learning experience required You'll learn by working with full scale AI projects that solve actual business problems You'll soon be delivering user friendly efficient interfaces that make the absolute best use of AI tech In Build AI Enhanced Web Apps you'll learn how to Integrate AI models into React and Next.js applications Implement streaming responses and real time AI interactions Manage conversation history and context in chat applications Implement LangChain.js for complex AI workflows and reasoning Build a web application for summarizing documents using LangChain.js Utilize Retrieval Augmented Generation RAG systems for knowledge management Develop an AI powered interview preparation system with voice feedback About the technology The users have spoken Agents personalized responses and other LLM powered features are required in modern web applications Build AI Enhanced Web Apps presents the end to end architecture of AI web apps including UI backend infrastructure data processing API integration deployment and scaling with examples and language perfect for professional web developers About the book This accessible book shows you how to ship real AI features not just toy demos using a JavaScript stack you already know React for UI Next.js for backend integration and the Vercel AI SDK to connect to LLMs like Gemini and GPT In it you'll acquire the skills you need to complete two portfolio ready projects a voice based interview assistant and a RAG powered corporate knowledge system You'll also learn how to design workflows that balance latency cost and UX and implement responsible guardrails for security quality control hallucinations and bias What's inside Build AI features using a professional stack Ship production ready features Learn from concrete projects About the reader For web developers familiar with JavaScript and React About the author Theo Despoudis is a Senior Engineer at WP Engine specializing in AI powered search and headless WordPress He is an expert in integrating LLMs RAG and Vercel AI SDK into React and Next.js apps Table of Contents Part 1 1 Using generative AI in web apps 2 Building your first generative AI web application 3 Connecting AI models with the Vercel AI SDK 4 Managing conversation and state in your application Part 2 5 Prompt engineering in web applications 6 Building AI workflows with LangChain.js 7

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Integrating web apps with the Model Context Protocol A Running the examples

Fundamentals of Deep Learning
Nithin Buduma, Nikhil Buduma, Joe Papa, 2022-05-16 We're in the midst of an AI research explosion. Deep learning has unlocked superhuman perception to power our push toward creating self-driving vehicles, defeating human experts at a variety of difficult games including Go, and even generating essays with shockingly coherent prose. But deciphering these breakthroughs often takes a PhD in machine learning and mathematics. The updated second edition of this book describes the intuition behind these innovations without jargon or complexity. Python-proficient programmers, software engineering professionals, and computer science majors will be able to reimplement these breakthroughs on their own and reason about them with a level of sophistication that rivals some of the best developers in the field. Learn the mathematics behind machine learning jargon. Examine the foundations of machine learning and neural networks. Manage problems that arise as you begin to make networks deeper. Build neural networks that analyze complex images. Perform effective dimensionality reduction using autoencoders. Dive deep into sequence analysis to examine language. Explore methods in interpreting complex machine learning models. Gain theoretical and practical knowledge on generative modeling. Understand the fundamentals of reinforcement learning.

Fundamentals of Deep Learning Nikhil Buduma, Nicholas Locascio, 2017-05-25 With the reinvigoration of neural networks in the 2000s, deep learning has become an extremely active area of research, one that's paving the way for modern machine learning. In this practical book, author Nikhil Buduma provides examples and clear explanations to guide you through major concepts of this complicated field. Companies such as Google, Microsoft, and Facebook are actively growing in-house deep learning teams. For the rest of us, however, deep learning is still a pretty complex and difficult subject to grasp. If you're familiar with Python and have a background in calculus along with a basic understanding of machine learning, this book will get you started. Examine the foundations of machine learning and neural networks. Learn how to train feed-forward neural networks. Use TensorFlow to implement your first neural network. Manage problems that arise as you begin to make networks deeper. Build neural networks that analyze complex images. Perform effective dimensionality reduction using autoencoders. Dive deep into sequence analysis to examine language. Learn the fundamentals of reinforcement learning.

Supremacy Parmy Olson, 2024-09-10 WINNER OF THE FINANCIAL TIMES AND SCHRODERS 2024 BUSINESS BOOK OF THE YEAR AWARD In November of 2022, a webpage was posted online with a simple text box. It was an AI chatbot called ChatGPT and was unlike any app people had used before. It was more human than a customer service agent, more convenient than a Google search. Behind the scenes, battles for control and prestige between the world's two leading AI firms, OpenAI and DeepMind, who now steers Google's AI efforts, has remained elusive until now. In *Supremacy*, Olson, tech writer at Bloomberg, tells the astonishing story of the battle between these two AI firms, their struggles

to use their tech for good and the hazardous direction they could go as they serve two tech Goliaths whose power is unprecedented in history The story focuses on the continuing rivalry of two key CEOs at the center of it all who cultivated a religion around their mission to build god like super intelligent machines Sam Altman CEO of OpenAI and Demis Hassabis the CEO of DeepMind Supremacy sharply alerts readers to the real threat of artificial intelligence that its top creators are ignoring the profit driven spread of flawed and biased technology into industries education media and more With exclusive access to a network of high ranking sources Parmy Olson uses her 13 years of experience covering technology to bring to light the exploitation of the greatest invention in human history and how it will impact us all

AI 16 (Copilot x x x x x AI ,2024-09-29 AI Copilot AI ChatGPT V S ChatGPT Plus GPT 3 5 GPT 4 GPT 4 Turbo AI AI Copilot 155 prompt ChatGPT DALL E 2 DALL E 3 GPT 4 Microsoft Bing Copilot Prompt Engineer AI AI AI AI AI ChatGPT AI AI AI NLP AI AI

Altman's Return To OpenAI Benjamin Carter,2023-11-22 Altman s Return To OpenAI The Untold Story Dive into the riveting narrative of Silicon Valley s most enigmatic figure in Altman s Return To OpenAI a spellbinding tale meticulously woven by Benjamin Carter Unveil the saga of Sam Altman the architect of artificial intelligence dreams as he navigates the treacherous waters of success only to face an unexpected fall that reverberates through the tech cosmos Embark on a Journey Beyond the Code Carter takes you on an immersive journey behind the scenes revealing the triumphs and tribulations of Altman s meteoric rise within OpenAI Explore the untold intricacies of the battle for OpenAI s future where power struggles boardroom clashes and whispers of corporate coup d tat paint a canvas of intrigue and suspense Unlock the Secrets of OpenAI s Inner Sanctum What led to Altman s shocking departure How did Microsoft become entangled in the saga Carter delves deep into the heart of OpenAI unraveling a tale of ambition conflict and the ceaseless pursuit of artificial intelligence s holy grail General Intelligence Witness the clash of ideals the alliances formed and the resilience that emerges from the chaos You will discover the followings in this book The Visionary Emergence Early Days of OpenAI Sam Altman s Transformative Leadership The Profit vs Nonprofit Dilemma The Misalignment Crisis Developer Day Turmoil Tensions and Tech Turbulence Ilya Sutskever s Role The Shocking Dismissal of Sam Altman Altman s Firing and Board Dynamics The Board s Silence and Altman s Strategy Altman s Media Savvy Moves The Microsoft Twist Altman s Transition to Microsoft Nadella s Perspective and Governance Changes Employee Uprising and OpenAI s Response All Hands Meeting Fallout Shear s Investigative Promise Altman s Future Ventures Challenges and Opportunities for OpenAI and many more Why Wait Grab Your Copy Now Don t miss out on the must read book of the year Click that enticing button below and unlock the secrets of Silicon Valley s intrigue from Altman s rise to his tumultuous exit and the echoes of his potential return Altman s Return To OpenAI is not just a book it s an odyssey through the beating heart of technology s future Take the plunge into the realm of tech drama with a click Your next adventure awaits

AI Storm Nobody Saw Coming Cook B Steve,2025-05-10 What if the most powerful shift in technology didn t come with a keynote a countdown or a single breaking

headline but happened in silence while no one was looking In just one extraordinary week Google Apple and OpenAI unleashed a wave of updates alliances and acquisitions that didn't just hint at the future they reprogrammed it No warning No hype Just raw moves that rewired the creative corporate and digital world forever This isn't speculation It's what already happened From Google's surprise drop of Gemini 2.5 an AI that builds like a developer on speed to Apple's secret pact with its biggest rival and OpenAI's 3B power grab that quietly reshaped how we code speak film and create this book uncovers the inside story of the week that changed everything Whether you're a creator developer entrepreneur strategist or simply someone trying to make sense of where tech is going next this book lays out what really happened why it matters now and who's already leveraging it to get ahead

Mastering OpenAI for Enterprise: Unlock the Power of OpenAI to Build Intelligent Applications for Businesses with GPT, DALL-E, RAG, and AI Agents Sriram Subramanian, 2025-03-11

Master OpenAI and Unlock the Future of AI Powered Innovation Key Features In depth exploration of OpenAI tools models and enterprise use cases Hands on projects with extensive code samples for practical learning Real world case studies with ethical AI insights and best practices Book Description OpenAI is transforming industries with cutting edge AI models redefining how businesses operate innovate and compete Mastering OpenAI for Enterprise is your definitive guide to harnessing the power of OpenAI's groundbreaking technologies including GPT models DALL E and more Designed for AI engineers developers and business leaders this book offers an in depth understanding of OpenAI's tools and their real world applications in enterprise settings This hands on guide provides a structured learning path featuring practical code samples step by step implementations and industry case studies that bridge theory with practice Whether you're building intelligent chatbots leveraging AI for automation or exploring generative AI for creative solutions this book equips you with the knowledge and skills to seamlessly integrate OpenAI into your workflows Ethical AI development and responsible implementation are also key themes ensuring that innovation is balanced with accountability As AI continues to evolve at an unprecedented pace mastering OpenAI is no longer optional it's essential The future belongs to those who can effectively leverage these technologies Don't get left behind equip yourself with the expertise needed to stay ahead in the AI revolution What you will learn Gain expertise in OpenAI's models APIs and enterprise applications Build intelligent chatbots and virtual assistants using ChatGPT Implement ethical AI practices for responsible and fair deployment Optimize and deploy OpenAI models for scalable business solutions Analyze real world case studies to drive AI powered innovation Leverage generative AI to automate enhance and transform workflows

Reinforcement Learning Abhishek Nandy, Manisha Biswas, 2017-12-07

Master reinforcement learning a popular area of machine learning starting with the basics discover how agents and the environment evolve and then gain a clear picture of how they are inter related You'll then work with theories related to reinforcement learning and see the concepts that build up the reinforcement learning process Reinforcement Learning discusses algorithm implementations important for reinforcement learning including Markov's Decision process and Semi

Markov Decision process The next section shows you how to get started with Open AI before looking at Open AI Gym You ll then learn about Swarm Intelligence with Python in terms of reinforcement learning The last part of the book starts with the TensorFlow environment and gives an outline of how reinforcement learning can be applied to TensorFlow There s also coverage of Keras a framework that can be used with reinforcement learning Finally you ll delve into Google s Deep Mind and see scenarios where reinforcement learning can be used What You ll Learn Absorb the core concepts of the reinforcement learning process Use advanced topics of deep learning and AI Work with Open AI Gym Open AI and Python Harness reinforcement learning with TensorFlow and Keras using Python Who This Book Is For Data scientists machine learning and deep learning professionals developers who want to adapt and learn reinforcement learning [Openai](#) Gerard Blokdyk,2017-11-21 Which individuals teams or departments will be involved in OpenAI If substitutes have been appointed have they been briefed on the OpenAI goals and received regular communications as to the progress to date How can the value of OpenAI be defined What is our formula for success in OpenAI What is the total cost related to deploying OpenAI including any consulting or professional services Defining designing creating and implementing a process to solve a business challenge or meet a business objective is the most valuable role In EVERY company organization and department Unless you are talking a one time single use project within a business there should be a process Whether that process is managed and implemented by humans AI or a combination of the two it needs to be designed by someone with a complex enough perspective to ask the right questions Someone capable of asking the right questions and step back and say What are we really trying to accomplish here And is there a different way to look at it This Self Assessment empowers people to do just that whether their title is entrepreneur manager consultant Vice President CxO etc they are the people who rule the future They are the person who asks the right questions to make OpenAI investments work better This OpenAI All Inclusive Self Assessment enables You to be that person All the tools you need to an in depth OpenAI Self Assessment Featuring 700 new and updated case based questions organized into seven core areas of process design this Self Assessment will help you identify areas in which OpenAI improvements can be made In using the questions you will be better able to diagnose OpenAI projects initiatives organizations businesses and processes using accepted diagnostic standards and practices implement evidence based best practice strategies aligned with overall goals integrate recent advances in OpenAI and process design strategies into practice according to best practice guidelines Using a Self Assessment tool known as the OpenAI Scorecard you will develop a clear picture of which OpenAI areas need attention Your purchase includes access details to the OpenAI self assessment dashboard download which gives you your dynamically prioritized projects ready tool and shows your organization exactly what to do next Your exclusive instant access details can be found in your book [Openai](#) Gerardus Blokdyk,2018-01-13 Which individuals teams or departments will be involved in OpenAI If substitutes have been appointed have they been briefed on the OpenAI goals and received regular communications as to the progress to date How can the

value of OpenAI be defined What is our formula for success in OpenAI What is the total cost related to deploying OpenAI including any consulting or professional services Defining designing creating and implementing a process to solve a business challenge or meet a business objective is the most valuable role In EVERY company organization and department Unless you are talking a one time single use project within a business there should be a process Whether that process is managed and implemented by humans AI or a combination of the two it needs to be designed by someone with a complex enough perspective to ask the right questions Someone capable of asking the right questions and step back and say What are we really trying to accomplish here And is there a different way to look at it This Self Assessment empowers people to do just that whether their title is entrepreneur manager consultant Vice President CxO etc they are the people who rule the future They are the person who asks the right questions to make OpenAI investments work better This OpenAI All Inclusive Self Assessment enables You to be that person All the tools you need to an in depth OpenAI Self Assessment Featuring 700 new and updated case based questions organized into seven core areas of process design this Self Assessment will help you identify areas in which OpenAI improvements can be made In using the questions you will be better able to diagnose OpenAI projects initiatives organizations businesses and processes using accepted diagnostic standards and practices implement evidence based best practice strategies aligned with overall goals integrate recent advances in OpenAI and process design strategies into practice according to best practice guidelines Using a Self Assessment tool known as the OpenAI Scorecard you will develop a clear picture of which OpenAI areas need attention Your purchase includes access details to the OpenAI self assessment dashboard download which gives you your dynamically prioritized projects ready tool and shows your organization exactly what to do next Your exclusive instant access details can be found in your book *GPT-4 Complete* Mark Huck,2023-04-03 Here is the definitive technical guide to GPT 4 as well as its loquacious counterpart ChatGPT Along with step by step examples for prompt engineering and fine tuning the book looks at the current discussions around the technology s promise and peril

The Enigmatic Realm of **Openai Update Returns**: Unleashing the Language is Inner Magic

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