



OpenAI ChatGPT



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Law and Artificial Intelligence: Practical and Theoretical Guide Victor Habib Lantyer, Artificial Intelligence won't replace jurists but the jurist who masters AI will inevitably surpass the one who doesn't We're standing at a historic crossroads a moment when the ancient pillars of Law built on syllogism and logic are being challenged by a new force powered by probability and correlation In this era being a passive observer isn't an option it's a professional risk After the success that made it a reference work the 2nd Revised and Expanded Edition of Law and Artificial Intelligence goes beyond theory to become an indispensable operations manual for those who refuse to be left behind More than a book it's an intellectual arsenal for navigating and leading the new legal order Inside you'll find a complete practical guide to Master the New Core Skill A deep hands on chapter on Prompt Engineering featuring advanced techniques Chain of Thought RAG to turn LLMs like ChatGPT Gemini and Claude into elite legal assistants Navigate the Regulatory Frontier A clear and updated

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Generative AI for Beginners: Practical Guide to ChatGPT, Machine Learning, and AI Applications Caleb Morgan Whitaker, 2025-07-07 Learn Generative AI From Zero to Real Projects with Confidence Curious about AI but overwhelmed by technical jargon Generative AI for Beginners is your clear hands on guide to mastering ChatGPT neural networks and practical AI applications all explained in simple terms for non techies and aspiring creators What You'll Learn Build Generative AI Simplified Explore how models like GPT-4 GANs and VAEs generate text images and audio without getting lost in mathematics Source Generative AI for Beginners A Comprehensive Guide simplifies these concepts for novices ChatGPT Prompt Engineering Learn how to design prompts that elicit useful high quality responses for writing decision making or brainstorming just like top rated beginner AI guides Neural Networks Made Accessible Cover core machine learning ideas like backpropagation supervised vs unsupervised learning and model training using intuitive non technical explanations Practical AI Applications You Can Build Use guided mini projects create a chatbot prompt powered text generator or image generator using free and open source tools and gain real hands on experience Ethics Future Opportunities Understand ethical considerations bias issues and emerging Web3 AI trends so you can build responsibly and stay ahead Why This Book Works Beginner First Jargon Free No prior experience required Learn at your own pace with bite sized chapters Project Based Learning Each section builds a real AI tool not just theory similar to bestsellers that focus on application Up to Date for 2025 Covers current models like GPT-4 open source frameworks like Hugging Face and modern AI applications Balance of Theory Practice Unlike superficial overviews this guide gives you both understanding and the means to create tangible AI projects Your Gains in Action Benefit You'll Be Able To Understand AI Fundamentals Clearly explain and use generative AI in daily tasks Interact Smart with ChatGPT Create prompts for writing research and business needs Build Real Tools Deploy your own chatbot image generator or text app Upload Use Ethical AI Consider bias consent and best practices in your projects Stay Ahead in AI Trends Understand LLMs neural nets GANs and future AI paths Who Should Read This Beginners eager to start building AI without coding Professionals and students wanting a full AI foundation and skills Creatives and entrepreneurs looking to leverage AI tools in their projects Ready to build useful AI projects in real time Tap Add to Cart for Generative AI for Beginners your step by step roadmap to mastering prompt engineering neural networks and real world AI applications by just reading and doing

The Complete Obsolete Guide to Generative AI David Clinton, 2024-09-17 The last book on AI you'll ever need We swear AI technology moves so fast that this book is probably

already out of date But don't worry The Complete Obsolete Guide to Generative AI is still an essential read for anyone who wants to make generative AI into a tool rather than a toy It shows you how to get the best out of AI no matter what changes come in the future You'll be able to use common automation and scripting tools to take AI to a new level and access raw and powerful GPT models via API Inside The Complete Obsolete Guide to Generative AI you will find Just enough background info on AI What an AI model is how it works Ways to create text code and images for your organization's needs Training AI models on your local data stores or on the internet Business intelligence and analytics uses for AI Building your own custom AI models Looking ahead to the future of generative AI Where to get started How about creating exciting images video and even audio with AI Need more Learn to harness AI to speed up any everyday work task including writing boilerplate code creating specialized documents and analyzing your own data Push beyond simple ChatGPT prompts Discover ways to double your productivity and take on projects you never thought were possible AI and this book are here to show you how About the technology Everything you learn about Generative AI tools like Chat GPT Copilot and Claude becomes obsolete almost immediately So how do you decide where to spend your time and your company's money This entertaining and unbelievably practical book shows you what you can and should do with AI now and how to roll with the changes as they happen About the book The Complete Obsolete Guide to Generative AI is a lighthearted introduction to Generative AI written for technology professionals and motivated AI enthusiasts In it you'll get a quick paced survey of AI techniques for creating code text images and presentations working with data and much more As you explore the hands on exercises you'll build an intuition for how Generative AI can transform your daily work and communication and maybe even learn how to make peace with your new robot overlords What's inside The big picture of Generative AI tools and tech Creating useful text code and images Writing effective prompts AI driven data analytics About the reader Written for developers admins and other IT pros Some examples use simple Python code About the author David Clinton is an AWS Solutions Architect a Linux server administrator and a world renowned expert on obsolescence The technical editor on this book was Maris Sekar Table of Contents 1 Understanding generative AI basics 2 Managing generative AI 3 Creating text and code 4 Creating with media resources 5 Feeding data to your generative AI models 6 Prompt engineering Optimizing your experience 7 Outperforming legacy research and learning tools 8 Understanding stuff better 9 Building and running your own large language model 10 How I learned to stop worrying and love the chaos 11 Experts weigh in on putting AI to work A Important definitions and a brief history B Generative AI resources C Installing Python *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

Building Production-Grade Web Applications with Supabase David Lorenz,2024-08-09 Craft resilient web applications with Supabase by leveraging advanced features such as authentication data and user management and seamless AI integration using its powerful Postgres infrastructure Key Features Learn how to integrate Supabase and Next js to create powerful and scalable web apps Explore real world scenarios with a multi tenant ticket system Master real time data handling secure file storage and application security enhancement while discovering the full potential of the database beyond holding data Purchase of the print or Kindle book includes a free PDF eBook Book DescriptionDiscover the powerful capabilities of Supabase the cutting edge open source platform flipping the script on backend architecture Guided by David Lorenz a battle tested software architect with over two decades of development experience this book will transform the way you approach your projects and make you a Supabase expert In this comprehensive guide you ll build a secure production grade multi tenant ticket system seamlessly integrated with Next js You ll build essential skills for effective data manipulation authentication and file storage as well as master Supabase s advanced capabilities including automating tasks with cron scheduling performing similarity searches with artificial intelligence testing your database and leveraging real time updates By the end of the book you ll have a deeper understanding of the platform and be able to confidently utilize Supabase in your own web applications all thanks to David s excellent expertise What you will learn Explore essential features for effective web app development Handle user registration login logout processes and user metadata Navigate multi tenant applications and understand the potential pitfalls and best practices Discover how to implement real time functionality Find out how to upload download and manipulate files Explore preventive measures against data manipulation and security breaches ensuring robust web app security Increase efficiency and streamline task automation through personalized email communication webhooks and cron jobs Who this book is for This book is for developers looking for a hassle free universal solution to building robust apps using Supabase and its integration libraries While a basic understanding of JavaScript is useful it s not essential as the book focuses on Supabase for creating high performance web apps using Next js Experienced professionals from non JavaScript backgrounds will find this book useful Familiarity with Postgres although helpful is not mandatory as the book explains all the SQL statements used

Mastering DeepSeek AI: Step-by-Step Guide to the ChatGPT Challenger Dr. Wasim Akram Mandal ,2025-01-29 Artificial intelligence is evolving at an unprecedented pace and new breakthroughs continue to reshape the way we interact with technology While OpenAI s ChatGPT has dominated the AI

space a new contender has emerged DeepSeek AI an innovative and powerful language model that challenges the status quo This book Mastering DeepSeek AI Step by Step Guide to the ChatGPT Challenger is designed to be your ultimate guide to understanding comparing and utilizing DeepSeek AI Whether you re an AI enthusiast a researcher or someone looking to harness AI for business or personal use this book will provide the insights you need We begin by exploring the DeepSeek phenomenon discussing what makes it special and uncovering the technology behind it We then compare DeepSeek AI with ChatGPT analyzing their strengths and weaknesses For those eager to get hands on experience we provide step by step guides on using DeepSeek across different platforms including mobile and desktop Additionally we delve into the DeepSeek R1 model its open source nature and the impact of DeepSeek on the global AI industry As China continues to invest heavily in artificial intelligence DeepSeek AI represents a significant milestone in the country s AI revolution We examine its implications for the tech industry global competition and the future of AI development By the end of this book you will have a deep understanding of DeepSeek AI and its capabilities More importantly you will be equipped with the knowledge to integrate it into your workflows enhance your AI driven projects and stay ahead in this rapidly evolving field Let s embark on this journey into the world of DeepSeek AI and discover what the future of artificial intelligence holds

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

ChatGPT for Beginners Omar Johnson,2023-07-30 Welcome to the revolution of artificial intelligence AI and

discover your limitless potential with ChatGPT for Beginners How to Turn AI into Your Personal Money Making Machine This book explores the captivating world of artificial intelligence and outlines how you can channel its power to create an incredible cashflow With the perfect blend of technical knowledge and practical strategies this book is your golden ticket to the booming world of ChatGPT and its amazing money making potential Whether you re a budding entrepreneur seeking innovation a creative thinker yearning for new avenues or someone who is seeking financial freedom this book will serve as your all encompassing roadmap It will escort you through every nook and cranny of the versatile ChatGPT model empowering you to understand and exploit its potential for riches ChatGPT for Beginners is specifically designed and positions you to make money right away by presenting to you lucrative money making business ideas that you can implement immediately It covers an array of areas to monetize ChatGPT including Online Course Creation Chatbot Development AI Based Coaching Ghostwriting Services Content Marketing Services Business Planning and Strategy Services Creative Writing Services Ecommerce Services And so much more Bonus 1 000 Side Hustle Curated Prompts Unlock your creative potential and fast track your journey to profitability with our meticulously curated collection of 1 000 Side Hustle Prompts This powerful resource which you can access in the appendix of the book as a free download is not just a list it s a gold mine of inspiration and a stepping stone to unprecedented success in your entrepreneurial journey These prompts are the result of exhaustive research and rigorous curation engineered specifically for harnessing the full potential of ChatGPT Covering a vast spectrum of side hustles from event planning to content creation from e commerce consultancy to personalized coaching these prompts empower you to tap into numerous profitable avenues all with the help of AI Ready to step into the future of AI and make it work for you ChatGPT for Beginners is your trusted guide equipping you with the knowledge and tools needed to transform ChatGPT into your personal money making machine So why wait The journey towards your future begins here **Open AI and Computational Intelligence for Society 5.0** Pandey, Rajiv, Srivastava, Nidhi, Prasad, Rajesh, Prasad, Jayashree, Garcia, Manuel B., 2024-11-29 As technology rapidly advances the complexity of societal challenges grows necessitating intelligent solutions that can adapt and evolve However developing such solutions requires a deep understanding of computational intelligence CI and its application in addressing real world problems Moreover ethical considerations surrounding AI such as bias and accountability are crucial to ensure responsible development and deployment of intelligent systems Open AI and Computational Intelligence for Society 5.0 offers a comprehensive exploration of CI providing insights into intelligent systems theory design and application This book is a practical guide for scientists engineers and researchers seeking to develop thoughtful solutions for complex societal issues Integrating disruptive technologies and frameworks illuminates the path toward creating intelligent machines collaborating with humans to enhance problem solving and improve quality of life The Hitchhiker's Guide to ChatGPT Devin Schumacher, Francis LaBounty Jr., 2023-02-25 Everything You Need to Know to Get Started Using ChatGPT to VASTLY Improve Your Efficiency Profit ROI in Your Business Or Start a New Business Create

Additional Revenue Streams Fully Leverage Artificial Intelligence to Make Your Life Better Artificial Intelligence is HERE And there s not much artificial about it Used Correctly AI Will Help You Produce More With AI you can automate repetitive and time consuming tasks freeing up time to focus on creative and fulfilling work This can enhance your personal happiness and fulfillment while increasing productivity and efficiency in the workplace Earn More AI can increase productivity and efficiency leading to greater income potential You can also use AI powered financial management tools to better manage your finances and make better investment decisions potentially leading to greater wealth accumulation and financial freedom Live More Automate menial and trivial tasks you can create more balance in your life and spend more time on what matters most such as family hobbies and personal development This can increase overall happiness and fulfillment Enjoy More More time means more pursuit of your passions interests ultimately leading to greater fulfillment and happiness And that just scratches the surface IN THIS BOOK Intro to AI ChatGPT Get ahead of the competition and transform your business with the power of AI even if you have no prior experience or technical expertise Unlock unlimited possibilities for your business driving growth and success like never before Real life Examples for Every industry Discover the many ways that AI can revolutionize your industry from improving healthcare outcomes and streamlining finance to enhancing customer service and increasing productivity Prompts Harness the true power of AI by understanding the importance of prompts which can help you achieve extraordinary results from personalized customer experiences to more accurate data analysis Prompt Engineering Become a master of prompt engineering and create tailored prompts that make your AI powered applications more effective and efficient No prior engineering experience needed Prompt Examples Plug play prompts you can use these examples to inspire your own winning prompts creating a competitive edge that sets your business apart from the rest Jailbreaking Unleash the full potential of AI by breaking free from traditional limitations and creating innovative solutions that push the boundaries of what s possible in your industry Tools Extensions Enhancements Access a wealth of tools extensions and add ons that can help you maximize the benefits of AI and ChatGPT driving greater results and generating more revenue no technical knowledge required Access to a community of experts Get support and guidance from a community of AI and ChatGPT experts helping you overcome challenges and make the most of this transformative technology practically instantly Ensure your business is always on the cutting edge of AI innovation Hundreds of business use cases ideas for making money with ChatGPT Tap into an endless supply of ideas and strategies for using ChatGPT to grow your business and generate more revenue from optimizing workflows and increasing productivity to creating personalized customer experiences and increasing sales

Azure AI Engineer Associate (AI-102) Study Guide Renaldi Gondosubroto,2025-09-09 With the GenAI boom showing no sign of letup the demand for AI skills will only increase with time and innovation Microsoft Azure leads the pack with services for developing and deploying AI solutions so professionals looking to break into this field should consider pursuing certification as an Azure AI Engineer Associate Azure s AI 102 exam isn t a piece of cake but author

Renaldi Gondosubroto makes it a great deal more approachable with this comprehensive study guide Packed with expert guidance it covers everything you ll need to know to pass the exam You ll dive deep into all the phases of AI solutions development from requirements definition and design to development deployment and integration along with maintenance performance tuning and monitoring throughout The book also takes you through practical implementation of these systems covering decision support computer vision natural language processing knowledge mining document intelligence and generative AI solutions Understand the core concepts of Azure AI services Develop and deploy AI solutions within Azure s environment Explore integration and security practices with Azure AI services Optimize and troubleshoot AI models on Azure Gain knowledge about building GenAI solutions on Azure and put it into practice [Empire of AI](#) Karen Hao,2025-05-20 An Instant New York Times Bestseller A bestselling page turner that has made waves not just in Silicon Valley but around the world With Empire of AI Hao is fundamentally shaping many people s perceptions and understanding of the company at the center of the AI revolution TIME Magazine TIME100 AI 2025 Excellent and deeply reported Tim Wu The New York Times Startling and intensely researched an essential account of how OpenAI and ChatGPT came to be and the catastrophic places they will likely take us Vulture Hao s reporting inside OpenAI is exceptional and she s persuasive in her argument that the public should focus less on A I s putative sentience and more on its implications for labor and the environment Benjamin Wallace Wells New Yorker From a brilliant longtime AI insider with intimate access to the world of Sam Altman s OpenAI from the beginning an eye opening account of arguably the most fateful tech arms race in history reshaping the planet in real time from the cockpit of the company that is driving the frenzy When AI expert and investigative 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 the organization was meant its leader Sam Altman told us to act as a check against more purely mercantile and potentially dangerous forces What could go wrong Over time Hao began to wrestle ever more deeply with that question Increasingly she realized that the core truth of this massively disruptive sector is that its vision of success requires an almost unprecedented amount of resources the compute power of high end chips and the processing capacity to create massive large language models the sheer volume of data that needs to be amassed at scale the humans cleaning up that data for sweatshop wages throughout the Global South and a truly alarming spike in the usage of energy and water underlying it all The truth is that we have entered a new and ominous age of empire only a small handful of globally scaled companies can even enter the field of play At the head of the pack with its ChatGPT breakthrough how would OpenAI resist such temptations Spoiler alert it didn t Armed with Microsoft s billions OpenAI is setting a breakneck pace chased by a small group of the most valuable companies in human history toward what end not even they can define All this time Hao has maintained her deep sourcing within the company and the industry and so she was in intimate contact with the story that shocked the entire tech industry Altman s sudden firing and triumphant return The behind the scenes story of what happened

told here in full for the first time is revelatory of who the people controlling this technology really are But this isn't just the story of a single company however fascinating it is The forces pressing down on the people of OpenAI are deforming the judgment of everyone else too as such forces do Naked power finds the ideology to cloak itself no one thinks they're the bad guy But in the meantime as Hao shows through intrepid reporting on the ground around the world the enormous wheels of extraction grind on By drawing on the viewpoints of Silicon Valley engineers Kenyan data laborers and Chilean water activists Hao presents the fullest picture of AI and its impact we've seen to date alongside a trenchant analysis of where things are headed An astonishing eyewitness view from both up in the command capsule of the new economy and down where the real suffering happens Empire of AI pierces the veil of the industry defining our era [The Generative AI Practitioner's Guide](#) Arup Das, David Sweenor, 2024-07-20 Generative AI is revolutionizing the way organizations leverage technology to gain a competitive edge However as more companies experiment with and adopt AI systems it becomes challenging for data and analytics professionals AI practitioners executives technologists and business leaders to look beyond the buzz and focus on the essential questions Where should we begin How do we initiate the process What potential pitfalls should we be aware of This TinyTechGuide offers valuable insights and practical recommendations on constructing a business case calculating ROI exploring real life applications and considering ethical implications Crucially it introduces five LLM patterns author retriever extractor agent and experimental to effectively implement GenAI systems within an organization The Generative AI Practitioner's Guide How to Apply LLM Patterns for Enterprise Applications bridges critical knowledge gaps for business leaders and practitioners equipping them with a comprehensive toolkit to define a business case and successfully deploy GenAI In today's rapidly evolving world staying ahead of the competition requires a deep understanding of these five implementation patterns and the potential benefits and risks associated with GenAI Designed for business leaders tech experts and IT teams this book provides real life examples and actionable insights into GenAI's transformative impact on various industries Empower your organization with a competitive edge in today's marketplace using The Generative AI Practitioner's Guide How to Apply LLM Patterns for Enterprise Applications Remember it's not the tech that's tiny just the book **Intelligent Computing** Kohei Arai, 2025-08-09 This book compiles a curated selection of insightful rigorously researched and state of the art papers presented at the Computing Conference 2025 hosted in London UK on June 19-20 2025 Drawing submissions from across the globe the conference received 473 papers each subjected to a stringent double blind peer review process Of these 169 papers were accepted for inclusion reflecting exceptional scholarship and innovation across disciplines such as IoT artificial intelligence computing data science networking data security and privacy Researchers academics and industry leaders converged to share pioneering ideas transformative methodologies and practical solutions to real world challenges By bridging academic theory and industrial application the conference catalyzed opportunities for knowledge synthesis and interdisciplinary progress The diverse contributions within

this proceedings not only address contemporary technological issues but also anticipate future trends offering frameworks for continued exploration We trust this collection will serve as an indispensable reference for researchers practitioners and policymakers navigating the evolving landscapes of computing and digital innovation As we reflect on the conference s outcomes we are confident that the insights and collaborations forged here will inspire sustained advancements in these critical fields May the ideas within these pages spark further inquiry drive technological evolution and contribute meaningfully to solving the challenges of our interconnected world

Transformers for Natural Language Processing

Denis Rothman, 2022-03-25 OpenAI s GPT 3 ChatGPT GPT 4 and Hugging Face transformers for language tasks in one book Get a taste of the future of transformers including computer vision tasks and code writing and assistance Purchase of the print or Kindle book includes a free eBook in PDF format Key Features Improve your productivity with OpenAI s ChatGPT and GPT 4 from prompt engineering to creating and analyzing machine learning models Pretrain a BERT based model from scratch using Hugging Face Fine tune powerful transformer models including OpenAI s GPT 3 to learn the logic of your data Book Description Transformers are well transforming the world of AI There are many platforms and models out there but which ones best suit your needs Transformers for Natural Language Processing 2nd Edition guides you through the world of transformers highlighting the strengths of different models and platforms while teaching you the problem solving skills you need to tackle model weaknesses You ll use Hugging Face to pretrain a RoBERTa model from scratch from building the dataset to defining the data collator to training the model If you re looking to fine tune a pretrained model including GPT 3 then Transformers for Natural Language Processing 2nd Edition shows you how with step by step guides The book investigates machine translations speech to text text to speech question answering and many more NLP tasks It provides techniques to solve hard language problems and may even help with fake news anxiety read chapter 13 for more details You ll see how cutting edge platforms such as OpenAI have taken transformers beyond language into computer vision tasks and code creation using DALL E 2 ChatGPT and GPT 4 By the end of this book you ll know how transformers work and how to implement them and resolve issues like an AI detective What you will learn Discover new techniques to investigate complex language problems Compare and contrast the results of GPT 3 against T5 GPT 2 and BERT based transformers Carry out sentiment analysis text summarization casual speech analysis machine translations and more using TensorFlow PyTorch and GPT 3 Find out how ViT and CLIP label images including blurry ones and create images from a sentence using DALL E Learn the mechanics of advanced prompt engineering for ChatGPT and GPT 4 Who this book is for If you want to learn about and apply transformers to your natural language and image data this book is for you You ll need a good understanding of Python and deep learning and a basic understanding of NLP to benefit most from this book Many platforms covered in this book provide interactive user interfaces which allow readers with a general interest in NLP and AI to follow several chapters And don t worry if you get stuck or have questions this book gives you direct access to our AI ML community to help guide you on

your transformers journey **GPT-3** Sandra Kublik, Shubham Saboo, 2022-07-11 GPT 3 NLP with LLMs is a unique pragmatic take on Generative Pre trained Transformer 3 the famous AI language model launched by OpenAI in 2020 This model is capable of tackling a wide array of tasks like conversation text completion and even coding with stunningly good performance Since its launch the API has powered a staggering number of applications that have now grown into full fledged startups generating business value This book will be a deep dive into what GPT 3 is why it is important what it can do what has already been done with it how to get access to it and how one can build a GPT 3 powered product from scratch This book is for anyone who wants to understand the scope and nature of GPT 3 The book will evaluate the GPT 3 API from multiple perspectives and discuss the various components of the new burgeoning economy enabled by GPT 3 This book will look at the influence of GPT 3 on important AI trends like creator economy no code and Artificial General Intelligence and will equip the readers to structure their imaginative ideas and convert them from mere concepts to reality **Building LLMs for**

Production Louis-François Bouchard, Louie Peters , 2024-05-21 This is the most comprehensive textbook to date on building LLM applications all essential topics in an AI Engineer s toolkit Jerry Liu Co founder and CEO of LlamaIndex THE BOOK WAS UPDATED ON OCTOBER 2024 With amazing feedback from industry leaders this book is an end to end resource for anyone looking to enhance their skills or dive into the world of AI and develop their understanding of Generative AI and Large Language Models LLMs It explores various methods to adapt foundational LLMs to specific use cases with enhanced accuracy reliability and scalability Written by over 10 people on our Team at Towards AI and curated by experts from Activerloop LlamaIndex Mila and more it is a roadmap to the tech stack of the future The book aims to guide developers through creating LLM products ready for production leveraging the potential of AI across various industries It is tailored for readers with an intermediate knowledge of Python What s Inside this 470 page Book Updated October 2024 Hands on Guide on LLMs Prompting Retrieval Augmented Generation RAG Fine tuning Roadmap for Building Production Ready Applications using LLMs Fundamentals of LLM Theory Simple to Advanced LLM Techniques Frameworks Code Projects with Real World Applications Colab Notebooks that you can run right away Community access and our own AI Tutor Table of Contents Chapter I Introduction to Large Language Models Chapter II LLM Architectures Landscape Chapter III LLMs in Practice Chapter IV Introduction to Prompting Chapter V Retrieval Augmented Generation Chapter VI Introduction to LangChain LlamaIndex Chapter VII Prompting with LangChain Chapter VIII Indexes Retrievers and Data Preparation Chapter IX Advanced RAG Chapter X Agents Chapter XI Fine Tuning Chapter XII Deployment and Optimization Whether you re looking to enhance your skills or dive into the world of AI for the first time as a programmer or software student our book is for you From the basics of LLMs to mastering fine tuning and RAG for scalable reliable AI applications we guide you every step of the way **RAG-Driven Generative AI** Denis Rothman, 2024-09-30 Minimize AI hallucinations and build accurate custom generative AI pipelines with RAG using embedded vector databases and integrated human feedback Get With Your Book PDF

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