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Dan H · 10/20/2024 12:18 PM

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👍 2 🙌 2 🙏 2 🚀 2 🔄 1



Mfayed · 10/20/2024 8:05 AM

Hey @CodeCompanion.AI, I want to say I absolutely love this product; it works for me better than any open interpreter every time. It's easy to use and straightforward and I find myself using it more than chatGPT. Thank you!

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Detection of Intrusions and Malware, and Vulnerability Assessment Manuel Egele, Veelasha Moonsamy, Daniel Gruss, Michele Carminati, 2025-07-09 The two volume set LNCS 15747 and 15748 constitutes the refereed conference proceedings of the 12nd International Conference on Detection of Intrusions and Malware and Vulnerability Assessment DIMVA 2025 held in Graz Austria during July 9 11 2025 The 25 revised full papers and 11 posters are presented in these proceedings were carefully reviewed and selected from 103 submissions The papers are organized in the following topical sections Part I Web Security Vulnerability Detection Side channels and Obfuscation Part II AI ML Android OS and Resilient Systems

LLVM Code Generation Quentin Colombet, 2025-05-23 Explore the world of code generation with the LLVM infrastructure and learn how to extend existing backends or develop your own Get With Your Book PDF Copy AI Assistant and Next Gen Reader Free Key Features Understand the steps involved in generating assembly code from LLVM IR Learn the key constructs needed to leverage LLVM for your hardware or backend Strengthen your understanding with targeted exercises and practical examples in every chapter Book Description The LLVM infrastructure is a popular compiler ecosystem widely used in the tech industry and academia This technology is crucial for both experienced and aspiring compiler developers looking to make an impact in the field Written by Quentin Colombet a veteran LLVM contributor and architect of the GlobalISel framework this book provides a primer on the main aspects of LLVM with an emphasis on its backend infrastructure that is everything needed to transform the intermediate representation IR produced by frontends like Clang into assembly code and object files You ll learn how to write an optimizing code generator for a toy backend in LLVM The chapters will guide you step by step through building this backend while exploring key concepts such as the ABI cost model and register allocation You ll also find out how to express these concepts using LLVM s existing infrastructure and how established backends address these challenges Furthermore the book features code snippets that demonstrate the actual APIs By the end of this book you ll have gained a deeper understanding of LLVM The concepts presented are expected to remain stable across different LLVM versions making this book a reliable quick reference guide for understanding LLVM What you will learn Understand essential compiler concepts such as SSA dominance and ABI Build and extend LLVM backends for creating custom compiler features Optimize code by manipulating LLVM s Intermediate Representation Contribute effectively to LLVM open source projects and development Develop debugging skills for LLVM optimizations and passes Grasp how encoding and disassembling work in the context of compilers Utilize LLVM s TableGen DSL for creating custom compiler models Who this book is for This book is for both beginners to LLVM and experienced LLVM developers If you re new to LLVM it offers a clear approachable guide to compiler backends starting with foundational concepts For seasoned LLVM developers it dives into less documented areas such as TableGen MachineIR and MC enabling you to solve complex problems and expand your expertise Whether you re starting out or looking to deepen your knowledge this book has

something for you **Generative AI in Practice** Bernard Marr, 2024-03-26 An indispensable look at the next frontier of technological advancement and its impact on our world Generative AI is rewriting the rulebook with its seemingly endless capabilities from crafting intricate industrial designs writing computer code and producing mesmerizing synthetic voices to composing enchanting music and innovating genetic breakthroughs In *Generative AI in Practice* renowned futurist Bernard Marr offers readers a deep dive into the captivating universe of GenAI This comprehensive guide introduces you to the basics of this groundbreaking technology and outlines the profound impact that GenAI will have on business and society Professionals technophiles and anyone with an interest in the future will need to understand how GenAI is set to redefine jobs revolutionize business and question the foundations everything we do In this book Marr sheds light on the most innovative real world GenAI applications through practical examples describing how they are moulding industries like retail healthcare education finance and beyond You'll enjoy a captivating discussion of innovations in media and entertainment seismic shifts in advertising and the future trajectory of GenAI You will Navigate the complex landscapes of risks and challenges posed by Generative AI Delve into the revolutionary transformation of the job market in the age of GenAI Understand AI's transformative impact on education healthcare and retail Explore the boundless potentials in media design banking coding and even the legal arena Ideal for professionals technophiles and anyone eager to understand the next big thing in technology *Generative AI In Practice* will equip readers with insights on how to implement GenAI how GenAI is different to traditional AI and a comprehensive list of generative AI tools available today **VFX Made Easy with Houdini** Alasgar Hasanov, 2025-09-15 Discover the secret sauce to creating stunning VFX in Houdini with step by step projects that guide you through particles smoke fire fluids and destruction using clear procedural workflows Key Features Learn the fundamentals of Houdini with step by step guidance Explore VFX workflows and best practices from the industry Streamline projects with expert tips on setup caching optimization and rendering in Solaris Purchase of the print or Kindle book includes a free PDF eBook Book Description Unlock Houdini's procedural power to create dynamic simulations and cinematic renders with expert guidance from Alasgar Hasanov a VFX artist with more than a decade of experience crafting CGI and visual effects for films television and commercials In this comprehensive guide he demonstrates easy workflows for complex effects teaches you how to think procedurally and makes learning Houdini both fun and rewarding Through step by step tutorials real world examples and insider tips you'll master Houdini's renowned node based workflow You'll also learn how to control procedural forces to simulate natural phenomena and produce compelling visually striking renders giving you the tools to bring your creative visions to life This book provides a solid foundation in Houdini FX fundamentals for beginners while also helping more experienced artists push the boundaries of innovation It is designed to be an indispensable companion on your journey to building a strong foundation for future growth as a Houdini artist By the end of the book you will be comfortable creating procedural setups running simulations and rendering your own creative effects in Houdini What you will learn

Understand Houdini's UI node based workflow and procedural fundamentals Build and organize procedural models and flexible assets Design particle systems from emitters and forces to simulation settings Create pyro FX including smoke fire and explosions Simulate rigid bodies destruction and FLIP fluids such as water and splashes Apply materials textures and shaders to light and render with Karma Improve efficiency with best practices for workflow optimization and production Who this book is for This book is for beginner Houdini users as well as FX artists lighting artists compositors motion designers 3D animators and game artists looking to extend their digital art skills to Houdini A basic understanding of digital content creation tools or 3D graphics software will help you make the most of this book *CODE BLUE TO CODE AI* SUDHANSHU

TONPE,2024-08-23 The unique selling proposition USP of Code Blue to Code AI lies in its comprehensive exploration of the transformative impact of artificial intelligence AI on the healthcare industry Authored by Dr Sudhanshu Tonpe the book stands out by Expertise Dr Tonpe an accomplished radiologist brings his firsthand experience and insights to provide an authoritative perspective on the integration of AI in healthcare Holistic Coverage The book covers various facets including medical diagnostics drug discovery patient engagement and the collaboration between AI and healthcare professionals offering a well rounded understanding of the subject Real world Examples By incorporating real world case studies and examples the book bridges the gap between theory and practical application making the content relatable and insightful Accessible Language Dr Tonpe communicates complex concepts in a clear and accessible language making the book suitable for both healthcare professionals and a broader audience interested in the intersection of medicine and AI Current Relevance Given the dynamic nature of healthcare and AI the book is likely to address contemporary issues and trends keeping the content relevant and up to date In essence Code Blue to Code AI offers a unique blend of expertise comprehensive coverage practical examples and accessibility making it a valuable resource for anyone interested in the future of healthcare through the lens of artificial intelligence **Microsoft Power BI Quick Start Guide** Devin Knight,Erin Ostrowsky,Mitchell

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of this book so there's an emphasis on helping you get to grips with data visualization styles and enhanced digital storytelling. As you progress you'll start building your own dataflows, gain an understanding of the Common Data Model and automate dataflow refreshes to eradicate data cleaning inefficiency. You'll learn how to administer your organization's Power BI environment so that deployment can be made seamless, data refreshes can run properly and security can be fully implemented. By the end of this Power BI book you'll know how to get the most out of Power BI for better business intelligence. What you will learn: Connect to data sources using import, DirectQuery and live connection options. Use Power Query Editor for data transformation and data cleansing processes and write M and R scripts and dataflows to do the same in the cloud. Design effective reports with built-in and custom visuals to optimize user experience. Implement row-level and column-level security in your dashboards. Administer a Power BI cloud tenant for your organization. Use built-in AI capabilities to enhance Power BI data transformation techniques. Deploy your Power BI Desktop files into Power BI Report Server. Who this book is for: This book is for aspiring business intelligence and data professionals with a basic understanding of BI concepts who want to learn Power BI quickly. Complete beginners with no BI background can also get plenty of useful information from this book.

Data Management, Analytics and Innovation Saptarsi Goswami, Sajal Saha, Romit S Beed, Kanadpriya Basu, 2025-11-11. This book presents the latest findings in the areas of data management and smart computing, big data management, artificial intelligence and data analytics along with advances in network technologies. The book is a collection of peer-reviewed research papers presented at 9th International Conference on Data Management, Analytics and Innovation (ICDMAI 2025) held during 17-19 January 2025 at St Xavier's College, Autonomous, Kolkata, India. It addresses state-of-the-art topics and discusses challenges and solutions for future development. Gathering original unpublished contributions by scientists from around the globe, the book is mainly intended for a professional audience of researchers and practitioners in academia and industry. The book is divided into three volumes.

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