Introducing Github A Non Technical Guide

Introducing GitHubIntroducing GithubDecoding GitHub Copilot Certification: GH-300 Complete Study GuideMastering & Prepare for GitHub Copilot Certification Guide | GH 300Natural Language Processing in ActionAdaptive Autonomous Secure Cyber SystemsDigitization and Availability of Artworks in Online Museum CollectionsNeural Text-to-Speech SynthesisBiomarkers in Pulmonary DiseasesGenomic selection and characterization in cerealsCorpus Approaches to Language in Social MediaDeep Learning with JAXBeginning Git and GitHubFull Stack Development with JHipsterGPEN GIAC Certified Penetration Tester All-in-One Exam GuideBeginning Git and GitHub"Looks Good to Me"Effective MySQL Backup and RecoverySupplemental Field Investigation for Non-select SoilsCurrent Bulletin Peter Bell Peter Bell Kirill J. Eremenko Rashmi Shah Hannes Hapke Sushil Jajodia Cuntz, Alexander Xu Tan Bassam Mahboub Muhammad Abdul Rehman Rashid Matteo Di Cristofaro Grigory Sapunov Mariot Tsitoara Deepu K. Sasidharan Raymond Nutting Mariot Tsitoara Adrienne Braganza Ronald Bradford Robert J. Werner Industrial Council of Cloak, Suit and Skirt Manufacturers, inc

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if you re new to github this concise book shows you just what you need to get started and no more it s perfect for project and product managers stakeholders and other team members who want to collaborate on a development project whether it s to review and comment on work in progress or to contribute specific changes it s also great for developers just learning github github has rapidly become the default platform for software development but it s also ideal for other text based documents from contracts to screenplays this hands on book shows you how to use github s web interface to view projects and collaborate effectively with your team learn how and why people use github to collaborate view the status of a project recent changes outstanding work and historic changes create and edit files through github without learning git suggest changes to projects you don t have permission to edit directly use tools like issues pull requests and branches to specify and collaborate on changes create a new github repository to control who has access to your project

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this book explores fundamental scientific problems essential for autonomous cyber defense specific areas include game and control theory based moving target defenses mtds and adaptive cyber defenses acds for fully autonomous cyber operations the extent to which autonomous cyber systems can be designed and operated in a framework that is significantly different from the human based systems we now operate on line learning algorithms including deep recurrent networks and reinforcement learning for the kinds of situation awareness and decisions that autonomous cyber systems will require human understanding and control of highly distributed autonomous cyber defenses quantitative performance metrics for the above so that autonomous cyber defensive agents can reason about the situation and appropriate responses as well as allowing humans to assess and improve the autonomous system this book establishes scientific foundations for adaptive autonomous cyber systems and ultimately brings about a more secure and reliable internet the recent advances in adaptive cyber defense acd have developed a range of new acd techniques and methodologies for reasoning in an adaptive environment autonomy in physical and cyber systems promises to revolutionize cyber operations the ability of autonomous systems to execute at scales scopes and tempos exceeding those of humans and human controlled systems will introduce entirely new types of cyber defense strategies and tactics especially in highly contested physical and cyber environments the development and automation of cyber strategies that are responsive to autonomous adversaries pose basic new technical challenges for cyber security this book targets cyber security professionals and researchers industry governments and military advanced level students in computer science and

information systems will also find this book useful as a secondary textbook

we provide quantitative evidence from museum collections about how copyright status affects the availability of digital images of artworks the paper applies a regression discontinuity and differences in differences design to estimate online availability of artworks from u s collections on digital platforms we find a strong increase in the availability of digital surrogates when copyright is perceived to expire and original artworks are likely to transition to the public domain moreover artworks and surrogates made available see a large number of downstream reuses based on google image search data which indicates online availability is of commercial and public value independent of right status notably we show that upstream surrogates of public domain artworks made available by museums are positively correlated with higher image resolution quality as compared to digitized artworks still protected under copyright laws at the same time it seems expressed industry norms can help encourage u s museums to also make low resolution surrogates of copyrighted artworks available

text to speech tts aims to synthesize intelligible and natural speech based on the given text it is a hot topic in language speech and machine learning research and has broad applications in industry this book introduces neural network based tts in the era of deep learning aiming to provide a good understanding of neural tts current research and applications and the future research trend this book first introduces the history of tts technologies and overviews neural tts and provides preliminary knowledge on language and speech processing neural networks and deep learning and deep generative models it then introduces neural tts from the perspective of key components text analyses acoustic models vocoders and end to end models and advanced topics expressive and controllable robust model efficient and data efficient tts it also points some future research directions and collects some resources related to tts this book is the first to introduce neural tts in a comprehensive and easy to understand way and can serve both academic researchers and industry practitioners working on tts

this book showcases the unique possibilities of corpus linguistic methodologies in engaging with and analysing language data from social

media surveying current approaches and offering guidelines and best practices for doing language analysis the book provides an overview of how language in social media has been approached by linguists and non linguists before delving into the identification of the datasets requirements needed to pursue investigations in social media and of the technical aspects of particular platforms that may influence the analysis such as emoticons retweets and metadata sample python code along with general guidelines for using it is provided to empower researchers to apply these techniques in their own work supported by actual examples from three real life case studies di cristofaro highlights the full potential of using these methodologies in analysing social media language data and the ways in which they might pave the way for future applications of data analysis and processing for corpus linguistics the book will be key reading for researchers in corpus linguistics and linguists and social scientists interested in data driven analysis of social media

accelerate deep learning and other number intensive tasks with jax google s awesome high performance numerical computing library the jax numerical computing library tackles the core performance challenges at the heart of deep learning and other scientific computing tasks by combining google s accelerated linear algebra platform xla with a hyper optimized version of numpy and a variety of other high performance features jax delivers a huge performance boost in low level computations and transformations in deep learning with jax you will learn how to use jax for numerical calculations build differentiable models with jax primitives run distributed and parallelized computations with jax use high level neural network libraries such as flax leverage libraries and modules from the jax ecosystem deep learning with jax is a hands on guide to using jax for deep learning and other mathematically intensive applications google developer expert grigory sapunov steadily builds your understanding of jax s concepts the engaging examples introduce the fundamental concepts on which jax relies and then show you how to apply them to real world tasks you ll learn how to use jax s ecosystem of high level libraries and modules and also how to combine tensorflow and pytorch with jax for data loading and deployment about the technology google s jax offers a fresh vision for deep learning this powerful library gives you fine control over low level processes like gradient calculations delivering fast and efficient model training and inference especially on large datasets jax has transformed how research

scientists approach deep learning now boasting a robust ecosystem of tools and libraries jax makes evolutionary computations federated learning and other performance sensitive tasks approachable for all types of applications about the book deep learning with jax teaches you to build effective neural networks with jax in this example rich book you ll discover how jax s unique features help you tackle important deep learning performance challenges like distributing computations across a cluster of tpus you ll put the library into action as you create an image classification tool an image filter application and other realistic projects the nicely annotated code listings demonstrate how jax s functional programming mindset improves composability and parallelization what s inside use jax for numerical calculations build differentiable models with jax primitives run distributed and parallelized computations with jax use high level neural network libraries such as flax about the reader for intermediate python programmers who are familiar with deep learning about the author grigory sapunov holds a ph d in artificial intelligence and is a google developer expert in machine learning the technical editor on this book was nicholas mcgreivy table of contents part 1 1 when and why to use jax 2 your first program in jax part 2 3 working with arrays 4 calculating gradients 5 compiling your code 6 vectorizing your code 7 parallelizing your computations 8 using tensor sharding 9 random numbers in jax 10 working with pytrees part 3 11 higher level neural network libraries 12 other members of the jax ecosystem a installing jax b using google colab c using google cloud tpus d experimental parallelization

learn the fundamentals of version control through step by step tutorials that will teach you the ins and outs of git this book is your complete guide to how git and github work in a professional team environment divided into three parts version control project management and teamwork this book reveals what waits for you in the real world and how to resolve the problems you may run into once past the basics of git you ll see how to manage a software project and finally how to utilize git and githhub to work effectively as a team you ll examine how to plan follow and execute a project with github and then apply those concepts to real world situations workaround the pitfalls that most programmers fall into when driving a project with git by using proven tactics to avoid them you will also be taught the easiest and quickest ways to resolve merge conflicts a lot of modern books on git don t go into depth about non technical topics

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microservice concepts such as api rout load balancing rate limit circuit break centralized configuration server jwt authentication and more run microservices locally using docker and kubernetes in production who this book is for this book will appeal to developers who would like to build modern web applications quickly a basic knowledge of the spring ecosystem would be an added advantage

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github is your complete guide to how git and github work in a professional team environment and will help you cover all the bases right at the start of your career what you ll learn review basic and advanced concepts of git apply project management skills using github solve conflicts or ideally avoid them altogether use advanced concepts for a more boosted workflow who this book is for new developers developers that have never worked in a team environment before developers with basic knowledge of git or github or anyone who works with text documents

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the essential guide to protecting your business information written by oracle ace director and mysql expert ronald bradford effective mysql backup and recovery covers all the options with detailed descriptions and syntax examples to ensure an appropriate backup and recovery plan can be developed featuring a side by side evaluation of the various backup strategies and complementary recovery implementations this oracle press book helps you to protect your mysql data from a wide range of disaster situations learn how different backup strategies affect locking and system availability identify the importance of static backup options and point in time requirements recognize the important business factors to determine your optimal data protection requirements understand the benefits of using mysql replication for leveraging different backup strategies understand the benefits and risks of implementing solutions with mysql in the cloud identify key configuration variables that affect data durability and performance find out about the types of possible disasters and develop a robust plan to address them optimize your backup approach with compression streaming incremental and parallel options

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