Il Pensiero Computazionale Dagli Algoritmi Al Coding

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The Connected Family - Seymour Papert 1996
Discusses the advantages and pitfalls of using computers in childhood education, and suggests ways parents can help children who are more computer-literate than they
Algorithm Engineering - Matthias Müller-Hannemann 2010-08-05
Algorithms are essential building blocks of computer applications. However, advancements in computer hardware, which render traditional computer models more and more unrealistic, and an ever increasing demand for efficient solution to actual real world problems have led to a rising gap between classical algorithm theory and algorithmics in practice. The emerging discipline of Algorithm Engineering aims at bridging this gap. Driven by concrete applications, Algorithm Engineering complements theory by the benefits of experimentation and puts equal emphasis on all aspects arising during a cyclic solution process ranging from realistic modeling, design, analysis, robust and efficient implementations to careful experiments. This tutorial - outcome of a GI-Dagstuhl Seminar held in Dagstuhl Castle in September 2006 - covers the essential aspects of this process in ten chapters on basic ideas, modeling and design issues, analysis of algorithms, realistic computer models, implementation aspects and algorithmic software libraries, selected case studies, as well as challenges in Algorithm Engineering. Both researchers and practitioners in the field will find it useful as a state-of-the-art survey.

Digital Education at School in Europe - 2019
This Eurydice report sheds light on two different but complementary perspectives of digital education: the development of digital competences relevant to learners and teachers on the one hand, and the pedagogical use of technologies to support, improve and transform learning and teaching on the other. The report covers different areas of digital education starting by an overview of school curricula and learning outcomes related to digital competence. The development of teacher-specific competences during initial teacher education and throughout their career is addressed as well as the assessment of students' digital competences and the use of digital technologies for assessment. Finally, the report gives some insight into current national strategies and policies on digital education at school. The annexes add specific information by country, on school curricula, teacher competence frameworks, top-level strategies and agencies supporting digital education at school. The report covers digital education at primary and general secondary levels for the school year 2018/19 in all 28 EU Member States, as well as Albania, Bosnia and Herzegovina, Switzerland, Iceland, Liechtenstein, Montenegro, North Macedonia, Norway, Serbia and Turkey, 43 education systems in total.

A Handbook for Student Performance Assessment in an Era of Restructuring - Robert E. Blum 1996-01-01
This handbook is designed to help school staff

members and others broaden their view of assessment and put assessment into the broader context of school restructuring while keeping the focus on students. The handbook is arranged in sections, each dealing with a separate topic. Each section contains a number of papers by different authors that represent the best thinking on the topic. Each section begins with an overview that discusses the major perspectives, ideas, issues, and concerns that relate to the section topic and describes how each paper fits into this fabric. The sections are: (1) "Setting the Stage"; (2) "Placing Student Performance Assessment within the Context of School Restructuring"; (3) "Developing Student Learning Goals for the 21st Century"; (4) "Aligning Assessment with Curriculum and Instruction"; (5) "Designing Performance Tasks"; (6) "Establishing Performance Criteria"; (7) "Using Performance Assessment Information for Improvement"; and (8) "Implementing Performance Assessment." In all, there are 98 papers in the handbook and 3 "resources": a glossary, a list of assessment information sources, and a list of contributors. Most of the articles contain references and illustrations. (SLD)

Computer Science Education in the 21st Century - Tony Greening 2012-12-06
The world is experiencing unprecedented rapidity of change, originating from pervasive technological developments. This book considers the effects of such rapid change from within computing disciplines, by allowing computing educationalists to deliver a considered verdict on the future of their discipline. The targeted future, the year 2020, was chosen to be distant enough to encourage authors to risk being visionary, while being close enough to ensure some anchorage to reality. The result is a scholarly set of contributions expressing the visions, hopes, concerns, predictions and analyses of trends for the future.

Lifelong Kindergarten - Mitchel Resnick 2018-08-28
How lessons from kindergarten can help everyone develop the creative thinking skills needed to thrive in today's society. In kindergartens these days, children spend more time with math worksheets and phonics flashcards than building blocks and finger paint. Kindergarten is becoming more like the rest of school. In Lifelong Kindergarten, learning expert Mitchel Resnick argues for exactly the opposite: the rest of school (even the rest of life) should be more like kindergarten. To thrive in today's fast-changing world, people of all ages must learn to think and act creatively—and the best way to do that is by focusing more on imagining, creating, playing, sharing, and reflecting, just as children do in traditional kindergartens. Drawing on experiences from more than thirty years at MIT's Media Lab, Resnick discusses new technologies and strategies for engaging young people in creative learning experiences. He tells stories of how children are programming their own games, stories, and inventions (for example, a diary security system, created by a twelve-year-old girl), and collaborating through remixing, crowdsourcing, and large-scale group projects (such as a Halloween-themed game called Night at Dreary Castle, produced by more than twenty kids scattered around the world). By providing young people with opportunities to work on projects, based on their passions, in collaboration with peers, in a playful spirit, we can help them prepare for a world where creative thinking is more important than ever before.

La motivazione dell'atto amministrativo: dalla disciplina generale alle regole speciali - Maria Stella Bonomi 2020-05-19
Il lavoro di ricerca si propone di analizzare quale sia la portata e come si specializza l'obbligo di motivazione nelle diverse categorie di atti e provvedimenti, nonché nelle diverse forme di decisione amministrativa de-provvedimentalizzata, partendo dalla legge generale per arrivare alla legislazione speciale e alla elaborazione giurisprudenziale. In particolare, si è cercato di evidenziare come dietro l'apparente generalità e uniformità dell'obbligo di motivazione degli atti amministrativi, sancito dall'articolo 3 della legge generale sul procedimento amministrativo, lo stesso legislatore e la giurisprudenza hanno creato una molteplicità di regole speciali eterogenee, in forza delle quali si delineano una pluralità di obblighi motivazionali.

Natural Language Processing and Information Systems - Andrés Montoyo 2005-06-01
NLDB 2005, the 10th International Conference

on Applications of Natural L- guage to Information Systems, was held on June 15–17, 2005 at the University of Alicante, Spain. Since the ?rst NLDB conference in 1995 the main goal has been to provide a forum to discuss and disseminate research on the integration of natural language resources in information system engineering. The development and convergence of computing, telecommunications and information systems has already led to a revolution in the way that we work, communicate with each other, buy goods and use services, and even in the way that weentertainandeducate ourselves.The revolutioncontinues,andoneof its results is that large volumes of information will increasingly be held in a form which is more natural for users than the data presentation formats typical of computer systems of the past. Natural language processing (NLP) is crucial in solving these problems, and language technologies will make an indispensable contribution to the success of information systems. We hope that NLDB 2005 was a modest contribution to this goal. NLDB 2005 contributed to advancing the goals and the high international standing of these conferences, largely due to its Program Committee, composed of renowned researchers in the ?eld of natural language processing and inf- mation system engineering. Papers were reviewed by three reviewers from the Program Committee. This clearly contributed to the signi?cant number of - pers submitted(95).Twenty-ninewereacceptedasregularpapers,while18were accepted as short papers.

Coding with Basher: Coding with Scratch - The Coder School 2019-10-08
Written by the founders of Silicon Valley's the CoderSchool, Basher's Coding With Scratch is a really useful step-by-step guide to basic programming that's packed with quirky, colorful characters—from Variable and If/Then to Loop and Function—who will teach you how to make your very own apps with Scratch 3.0. Young readers will learn all the basics of programming, then put their knowledge to the test in a series of apps, before building their first actual computer game. Plus there are lots of fun challenges to try along the way! Combining Basher's trademark quirky and humorous illustration style with the very latest teachings on coding, Coding With Scratch is the ultimate step-by-step guide to mastering Scratch.

Dialoghi di Diritto Amministrativo. Lavori del Laboratorio di Diritto Amministrativo 2019 - Andrea Carbone 2020-09-25
Il Laboratorio di diritto amministrativo nasce come iniziativa di incontro e scambio tra giovani studiosi della materia per discutere delle ricerche in corso di svolgimento. L'idea, nata dall'esperienza di quanto avviene in altre realtà, soprattutto al di fuori del nostro Paese, si fonda sulla necessità di collocare, nell'ambito di un percorso di ricerca sovente caratterizzato dalla 'solitudine' di chi lo intraprende, un momento di confronto dialettico all'interno della comunità scientifica; un momento in cui, cioè, la comunità stessa metta a disposizione del singolo le proprie eterogenee esperienze e conoscenze, di modo che questi possa conseguire un più proficuo sviluppo del suo lavoro, nell'ottica di un complessivo arricchimento reciproco. Gli esiti di tali ricerche, per l'anno 2019, sono oggetto di pubblicazione del presente volume, insieme agli ulteriori contributi ad essi correlati e ispirati dall'attività del Laboratorio.

Lo Stato digitale nel Piano Nazionale di Ripresa e Resilienza - Valerio Bontempi 2022-04-01
La stretta correlazione tra il difetto di produttività di un sistema-paese e il basso livello di digitalizzazione e innovazione dello stesso è noto. Così come è noto che in questo campo l'Italia abbia accumulato nel tempo un ritardo significativo. Non è un caso, del resto, che la Commissione europea collochi da anni l'Italia tra gli «innovatori moderati». I nostri livelli di spesa in Ricerca e Sviluppo (R&S) sono troppo bassi rispetto alla media europea e questo è vero sia per gli investimenti pubblici, sia per quelli privati. Proprio al fine di recuperare questo deficit italiano e di promuovere gli investimenti in tecnologie, infrastrutture e processi digitali, lo sforzo di digitalizzazione e innovazione permea di sé tutto il Piano Nazionale di Ripresa e Resilienza (PNRR). Nei diversi saggi che compongono il volume (suddivisi in tre sezioni: «Le competenze digitali, l'istruzione e la ricerca scientifica», «Le infrastrutture digitali» e «La digitalizzazione dell'attività amministrativa»), le Autrici e gli Autori tratteggiano le linee generali di tendenza del processo in atto di c.d.

transizione digitale. A tal fine, appare imprescindibile l'operazione di ricostruzione dello 'Stato digitale' anche a partire dagli interventi previsti nel PNRR e dalla prima attuazione di questi. 'Stato digitale' che – è bene ricordare – deve essere inteso in una duplice accezione, ovvero sia come Stato che regola i processi di digitalizzazione in atto all'interno del sistema produttivo, sia come Stato che digitalizza se stesso.

Guide to Teaching Computer Science - Orit Hazzan 2015-01-07
This textbook presents both a conceptual framework and detailed implementation guidelines for computer science (CS) teaching. Updated with the latest teaching approaches and trends, and expanded with new learning activities, the content of this new edition is clearly written and structured to be applicable to all levels of CS education and for any teaching organization. Features: provides 110 detailed learning activities; reviews curriculum and cross-curriculum topics in CS; explores the benefits of CS education research; describes strategies for cultivating problem-solving skills, for assessing learning processes, and for dealing with pupils' misunderstandings; proposes active-learning-based classroom teaching methods, including lab-based teaching; discusses various types of questions that a CS instructor or trainer can use for a range of teaching situations; investigates thoroughly issues of lesson planning and course design; examines the first field teaching experiences gained by CS teachers.

Mindstorms - Seymour A. Papert 2020-10-06
In this revolutionary book, a renowned computer scientist explains the importance of teaching children the basics of computing and how it can prepare them to succeed in the ever-evolving tech world. Computers have completely changed the way we teach children. We have Mindstorms to thank for that. In this book, pioneering computer scientist Seymour Papert uses the invention of LOGO, the first child-friendly programming language, to make the case for the value of teaching children with computers. Papert argues that children are more than capable of mastering computers, and that teaching computational processes like de-bugging in the classroom can change the way we learn everything else. He also shows that schools saturated with technology can actually improve socialization and interaction among students and between students and teachers. Technology changes every day, but the basic ways that computers can help us learn remain. For thousands of teachers and parents who have sought creative ways to help children learn with computers, Mindstorms is their bible.

Excel for Students in Economics and Finance - Ballerini 2020

The Project Method - William Heard Kilpatrick 1922

String Processing and Information Retrieval - Fabio Crestani 2006-09-29
This book constitutes the refereed proceedings of the 13th International Conference on String Processing and Information Retrieval, SPIRE 2006. The 26 revised full papers and 5 revised short papers presented together with 2 invited talks were carefully reviewed and selected. The papers are organized in topical sections on Web clustering and text categorisation, strings, user behaviour, Web search algorithms, compression, correction, information retrieval applications, bio-informatics, and Web search engines.

Algoritmi per l'intelligenza artificiale - Roberto Marmo 2020-05-21T00:00:00+02:00
Un viaggio panoramico su tutto ciò che occorre sapere per avviare i primi passi nella programmazione con l'intelligenza artificiale, con consigli pratici derivati dall'esperienza dell'autore. Quali sono le possibilità di calcolo sofisticate offerte dall'intelligenza artificiale? Come creare un algoritmo per usarle? Quali sono i vantaggi e gli svantaggi? Come organizzare i dati? Come interpretare input e output? Come scegliere le librerie e gli strumenti di programmazione? Dove trovare materiale per approfondire? Questo volume, ricco di tabelle ed elenchi che consentono di capire subito quale soluzione adottare, risponde a tutte queste domande (e non solo) utilizzando un approccio pragmatico e operativo.

Critical Code Studies - Mark C. Marino 2020-03-10
An argument that we must read code for more than what it does—we must consider what it means. Computer source code has become part of popular discourse. Code is read not only by

programmers but by lawyers, artists, pundits, reporters, political activists, and literary scholars; it is used in political debate, works of art, popular entertainment, and historical accounts. In this book, Mark Marino argues that code means more than merely what it does; we must also consider what it means. We need to learn to read code critically. Marino presents a series of case studies—ranging from the Climategate scandal to a hactivist art project on the US-Mexico border—as lessons in critical code reading. Marino shows how, in the process of its circulation, the meaning of code changes beyond its functional role to include connotations and implications, opening it up to interpretation and inference—and misinterpretation and reappropriation. The Climategate controversy, for example, stemmed from a misreading of a bit of placeholder code as a "smoking gun" that supposedly proved fabrication of climate data. A poetry generator created by Nick Montfort was remixed and reimagined by other poets, and subject to literary interpretation. Each case study begins by presenting a small and self-contained passage of code—by coders as disparate as programming pioneer Grace Hopper and philosopher Friedrich Kittler—and an accessible explanation of its context and functioning. Marino then explores its extra-functional significance, demonstrating a variety of interpretive approaches.

Computer Environments for Children - Cynthia Solomon 1988-07
In this book, Cynthia Solomon takes a welcome look at the possibilities and issues of learning with and about computers in schools or in any other learning environment.

Proceedings of the Second Italian Conference on Computational Linguistics CLiC-it 2015 - Cristina Bosco
CLiC-it 2015 is held in Trento on December 3-4 2015, hosted and locally organized by Fondazione Bruno Kessler (FBK), one the most important Italian research centers for what concerns CL. The organization of the conference is the result of a fruitful conjoint effort of different research groups (Università di Torino, Università di Roma Tor Vergata and FBK) showing the nationwide spreading of CL in Italy. As in the first edition, the main aim of the event is at establishing a reference forum on CL, covering all the aspects needed to describe the multi-faceted and cross-disciplinary reality of the involved research topics and of the Italian community working in this area. Indeed the spirit of CLiC-it is inclusive, in order to build a scenario as much as possible comprehensive of the complexity of language phenomena and approaches to address them, bringing together researchers and scholars with different competences and skills and working on different aspects according to different perspectives. The large number of researchers that have decided to present their work at CLiC-it and the number of directions here investigated are proof of the maturity of our community and a promising indication of its vitality. We received a total of 64 paper submissions, out of which 52 have been accepted to appear in the Conference Proceedings, which are available online and on the OpenEdition platform. Overall, we collected 129 authors from 15 countries.

Working in the Middle - W. Norton Grubb 1996-07-26
?Anyone interested in a better trained workforce should read this book. Well-paying jobs requiring less than a college degree are a growing sector of the economy that is often ignored. Grubb's book shows how community colleges can improve the chances of Americans securing those jobs.?--Jack Jennings, director, Center on National Education Policy?Community colleges have become America's premier training institution's and Norton Grubb has written the definitive book on how they fit into the labor market and affect economic outcomes. Working In The Middle will the standard source for years to come.?--Paul Osterman, professor of human resources and management, Sloan School, MITSixty percent of America's workers have at least a high school diploma but lack a baccalaureate degree. Working in the Middle explains why this seldom studied workforce is critical to the nation's economic well-being, and offers recommAndations for business leaders, educators, trainers, and labor economists to maintain the vitality of this enormous group of workers, the backbone of the economy.Working in the Middle is the first book to offer a comprehensive view of the education and training of this growing mid-skilled labor force. Based on both statistical research and

interviews with students, educators, and employers, this important resource offers a thorough examination of ?workers in the middle,? focusing on workers' characteristics, the types of work they perform, how they prepared for and obtained their positions, and what further skills do they need to develop.

What Algorithms Want - Ed Finn 2017-03-10 The gap between theoretical ideas and messy reality, as seen in Neal Stephenson, Adam Smith, and Star Trek. We depend on—we believe in—algorithms to help us get a ride, choose which book to buy, execute a mathematical proof. It's as if we think of code as a magic spell, an incantation to reveal what we need to know and even what we want. Humans have always believed that certain invocations—the marriage vow, the shaman's curse—do not merely describe the world but make it. Computation casts a cultural shadow that is shaped by this long tradition of magical thinking. In this book, Ed Finn considers how the algorithm—in practical terms, "a method for solving a problem"—has its roots not only in mathematical logic but also in cybernetics, philosophy, and magical thinking. Finn argues that the algorithm deploys concepts from the idealized space of computation in a messy reality, with unpredictable and sometimes fascinating results. Drawing on sources that range from Neal Stephenson's Snow Crash to Diderot's Encyclopédie, from Adam Smith to the Star Trek computer, Finn explores the gap between theoretical ideas and pragmatic instructions. He examines the development of intelligent assistants like Siri, the rise of algorithmic aesthetics at Netflix, Ian Bogost's satiric Facebook game Cow Clicker, and the revolutionary economics of Bitcoin. He describes Google's goal of anticipating our questions, Uber's cartoon maps and black box accounting, and what Facebook tells us about programmable value, among other things. If we want to understand the gap between abstraction and messy reality, Finn argues, we need to build a model of "algorithmic reading" and scholarship that attends to process, spearheading a new experimental humanities.

Invitation To Computer Science 4/e - G. Michael Schneider 2007

Digital Skills and Life-long Learning: Digital Learning as a New Insight of Enhanced Learning by the Innovative Approach Joining Technology and Cognition - Dina Di Giacomo 2019-03-01 Recently, technology and aging have been key research areas in human cognition. The Research Topic "Digital Skills and Life-long Learning: Digital Learning as a New Insight of Enhanced Learning by the Innovative Approach Joining Technology and Cognition" investigated technology's impact on cognitive and intellective processes, highlighting how intensively technology can change and/or enhance the cognitive functioning throughout one's lifespan. The aim of this Research Topic was to provide an outlook through multidisciplinary research and development while addressing the dynamic intersection of cognition, mind, and technology. Our scope was 1) to favor the cognitive technology debate, 2) to overcome the dichotomies of technology and psychology, 3) to emphasize the advances in knowledge and well-being. This Research Topic comprises review studies and original articles, focused on digital skills that enhance human potential. Transversal approaches and cross-sectorial analysis were encouraged, leading to investigation areas related to cognitive and mental processing—in educational, rehabilitation, clinical settings—across aging. Articles of high relevance to the Research Topic were submitted on the subjects of a) research in human performance and human factors, b) new research and technologies addressing the needs of a growing populace, and c) cognitive aging and cognitive rehabilitation research.

Nine Algorithms That Changed the Future - John MacCormick 2020-09-15 Nine revolutionary algorithms that power our computers and smartphones Every day, we use our computers to perform remarkable feats. A simple web search picks out a handful of relevant needles from the world's biggest haystack. Uploading a photo to Facebook transmits millions of pieces of information over numerous error-prone network links, yet somehow a perfect copy of the photo arrives intact. Without even knowing it, we use public-key cryptography to transmit secret information like credit card numbers, and we use digital signatures to verify the identity of the websites

we visit. How do our computers perform these tasks with such ease? John MacCormick answers this question in language anyone can understand, using vivid examples to explain the fundamental tricks behind nine computer algorithms that power our PCs, tablets, and smartphones.

Learning as Transformation - Jack Mezirow 2000-10-05
"Provocative and illuminating, this book is a must read for adult educators seeking to understand and facilitate transformational learning. It showcases a stellar group of authors who not only engage each other and the reader in constructive discourse, but who also model the heart of the transformational learning process." --Sharan B. Merriam, Department of Adult Education, University of Georgia This volume continues the landmark work begun by Jack Mezirow over twenty years ago--revealing the impact of transformative learning on the theory and practice of adult education. Top scholars and practitioners review the core principles of transformation theory, analyze the process of transformative learning, describe different types of learning and learners, suggest key conditions for socially responsible learning, explore group and organizational learning, and present revelations from the latest research. They also share real-world examples drawn from their own experiences and assess the evolution of transformative learning in practice and philosophy. Learning as Transformation presents an intimate portrait of a powerful learning concept and invites educators, researchers, and scholars to consider the implications of transformative learning in their own professional work.

Il pensiero computazionale. Dagli algoritmi al coding - Paolo Ferragina 2017

Computational Thinking - Paolo Ferragina 2018-08-21
This book offers a gentle motivation and introduction to computational thinking, in particular to algorithms and how they can be coded to solve significant, topical problems from domains such as finance, cryptography, Web search, and data compression. The book is suitable for undergraduate students in computer science, engineering, and applied mathematics, university students in other fields, high-school students with an interest in STEM subjects, and professionals who want an insight into algorithmic solutions and the related mindset. While the authors assume only basic mathematical knowledge, they uphold the scientific rigor that is indispensable for transforming general ideas into executable algorithms. A supporting website contains examples and Python code for implementing the algorithms in the book.

Sensors and Image Processing - Shabana Urooj 2017-10-03
This volume comprises the select proceedings of the annual convention of the Computer Society of India. Divided into 10 topical volumes, the proceedings present papers on state-of-the-art research, surveys, and succinct reviews. The volumes cover diverse topics ranging from communications networks to big data analytics, and from system architecture to cyber security. This volume focuses on Sensors and Image Processing. The contents of this book will be useful to researchers and students alike.

Text Compression - Timothy C. Bell 1990
M->CREATED

Foundations of Computer Science - Wilfried Brauer 1997-10-24
Content Description #Dedicated to Wilfried Brauer.#Includes bibliographical references and index.

Una innovazione responsabile. Verso un modello di sostenibilità integrata - Sesto Viticoli 2021-03-25
L'emergenza sanitaria che abbiamo visto investire il mondo intero nell'ultimo anno altro non è che il secondo volto della crisi di un ecosistema complesso: ambientale, sociale, e anche economico. Per affrontare queste sfide e i bisogni di una popolazione in rapida crescita, urge un cambiamento sistematico del nostro stile di vita e del nostro modo di fare innovazione. Serve un modello che sia finalizzato a creare un valore complessivo in grado di integrare le esigenze della società, dell'impresa e del pianeta . Un sistema che affronti il futuro con un approccio responsabile e sostenibile. Proprio questo è il compito che si prefigge il volume: tracciare una mappa di navigazione per gli innovatori di oggi e di domani in linea coi principi dell'Open Science e dell'Open

Innovation.

Hello Ruby: Adventures in Coding - Linda Liukas 2015-10-06
Hello Ruby is the world's most whimsical way to learn about computers, programming and technology. Includes activities for all future coders.

Learning - Jacques Delors 1998-01-01
This report proposes more resources be devoted to education, nationally and internationally, and for international cooperation in education with UNESCO as a key player.

Mathematical and Algorithmic Foundations of the Internet - Fabrizio Luccio 2011-07-06
To truly understand how the Internet and Web are organized and function requires knowledge of mathematics and computation theory. Mathematical and Algorithmic Foundations of the Internet introduces the concepts and methods upon which computer networks rely and explores their applications to the Internet and Web. The book offers a unique approach to mathematical and algorithmic concepts, demonstrating their universality by presenting ideas and examples from various fields, including literature, history, and art. Progressing from fundamental concepts to more specific topics and applications, the text covers computational complexity and randomness, networks and graphs, parallel and distributed computing, and search engines. While the mathematical treatment is rigorous, it is presented at a level that can be grasped by readers with an elementary mathematical background. The authors also present a lighter side to this complex subject by illustrating how many of the mathematical concepts have counterparts in everyday life. The book provides in-depth coverage of the mathematical prerequisites and assembles a complete presentation of how computer networks function. It is a useful resource for anyone interested in the inner functioning, design, and organization of the Internet.

Learning PHP & MySQL - Michele E. Davis 2007-08-17
PHP and MySQL are quickly becoming the de facto standard for rapid development of dynamic, database-driven web sites. This book is perfect for newcomers to programming as well as hobbyists who are intimidated by harder-to-follow books. With concepts explained in plain English, the new edition starts with the basics of the PHP language, and explains how to work with MySQL, the popular open source database. You then learn how to put the two together to generate dynamic content. If you come from a web design or graphics design background and know your way around HTML, Learning PHP & MySQL is the book you've been looking for. The content includes: PHP basics such as strings and arrays, and pattern matching A detailed discussion of the variances in different PHP versions MySQL data fundamentals like tables and statements Information on SQL data access for language A new chapter on XHTML Error handling, security, HTTP authentication, and more Learning PHP & MySQL explains everything from fundamental concepts to the nuts and bolts of performing specific tasks. As part of O'Reilly's bestselling Learning series, the book is an easy-to-use resource designed specifically for beginners. It's a launching pad for future learning, providing you with a solid foundation for more advanced development.

Sharing Words - Ramón Flecha 2000
By mixing educational and social theory with literature, life narratives, and personal accounts, Flecha creatively narrates the practice of dialogic learning in a seemingly utopian reality.

Mathematical Music Theory - Mariana Montiel 2018-12-28
Questions about variation, similarity, enumeration, and classification of musical structures have long intrigued both musicians and mathematicians. Mathematical models can be found from theoretical analysis to actual composition or sound production. Increasingly in the last few decades, musical scholarship has incorporated modern mathematical content. One example is the application of methods from Algebraic Combinatorics, or Topology and Graph Theory, to the classification of different musical objects. However, these applications of mathematics in the understanding of music have also led to interesting open problems in mathematics itself. The reach and depth of the contributions on mathematical music theory presented in this volume is significant. Each contribution is in a section within these subjects: (i) Algebraic and Combinatorial Approaches; (ii) Geometric, Topological, and Graph-Theoretical

Approaches; and (iii) Distance and Similarity Measures in Music.

Camp and Cabin - Rossiter Worthington Raymond 1880

Handbook of Computational Molecular Biology - Srinivas Aluru 2005-12-21
The enormous complexity of biological systems at the molecular level must be answered with powerful computational methods. Computational biology is a young field, but has seen rapid growth and advancement over the past few decades. Surveying the progress made in this multidisciplinary field, the Handbook of Computational Molecular Biology offers comprehensive, systematic coverage of the various techniques and methodologies currently available. Accomplished researcher Srinivas Aluru leads a team of experts from around the world to produce this groundbreaking, authoritative reference. With discussions ranging from fundamental concepts to practical applications, this book details the algorithms necessary to solve novel problems and manage the massive amounts of data housed in biological databases throughout the world. Divided into eight sections for convenient searching, the handbook covers methods and algorithms for sequence alignment, string data structures, sequence assembly and clustering, genome-scale computational methods in comparative genomics, evolutionary and phylogenetic trees, microarrays and gene expression analysis, computational methods in structural biology, and bioinformatics databases and data mining. The Handbook of Computational Molecular Biology is the first resource to integrate coverage of the broad spectrum of topics in computational biology and bioinformatics. It supplies a quick-reference guide for easy implementation and provides a strong foundation for future discoveries in the field.