

Cracking The Coding Interview 6th Edition 189

AS RECOGNIZED, ADVENTURE AS COMPETENTLY AS EXPERIENCE NOT QUITE LESSON, AMUSEMENT, AS WITH EASE AS UNION CAN BE GOTTEN BY JUST CHECKING OUT A BOOK **CRACKING THE CODING INTERVIEW 6TH EDITION 189** MOREOVER IT IS NOT DIRECTLY DONE, YOU COULD ACKNOWLEDGE EVEN MORE ON THE SUBJECT OF THIS LIFE, ROUGHLY SPEAKING THE WORLD.

WE PRESENT YOU THIS PROPER AS CAPABLY AS EASY HABIT TO GET THOSE ALL. WE MANAGE TO PAY FOR CRACKING THE CODING INTERVIEW 6TH EDITION 189 AND NUMEROUS BOOKS COLLECTIONS FROM FICTIONS TO SCIENTIFIC RESEARCH IN ANY WAY. IN THE MIDST OF THEM IS THIS CRACKING THE CODING INTERVIEW 6TH EDITION 189 THAT CAN BE YOUR PARTNER.

CRACKING THE CODING INTERVIEW, 6TH EDITION - GAYLE LAAKMANN McDOWELL
2015-10-23

INTRODUCTION TO ALGORITHMS, THIRD EDITION - THOMAS H. CORMEN 2009-07-31

THE LATEST EDITION OF THE ESSENTIAL TEXT AND PROFESSIONAL REFERENCE, WITH SUBSTANTIAL NEW MATERIAL ON SUCH TOPICS AS VEB TREES, MULTITHREADED ALGORITHMS, DYNAMIC PROGRAMMING, AND EDGE-BASED FLOW. SOME BOOKS ON ALGORITHMS ARE RIGOROUS BUT INCOMPLETE; OTHERS COVER MASSES OF MATERIAL BUT LACK RIGOR. INTRODUCTION TO ALGORITHMS UNIQUELY COMBINES RIGOR AND COMPREHENSIVENESS. THE BOOK COVERS A BROAD RANGE OF ALGORITHMS IN DEPTH, YET MAKES THEIR DESIGN AND ANALYSIS ACCESSIBLE TO ALL LEVELS OF READERS. EACH CHAPTER IS RELATIVELY SELF-CONTAINED AND CAN BE USED AS A UNIT OF STUDY. THE ALGORITHMS ARE DESCRIBED IN ENGLISH AND IN A PSEUDOCODE DESIGNED TO BE READABLE BY ANYONE WHO HAS DONE A LITTLE PROGRAMMING. THE EXPLANATIONS HAVE BEEN KEPT ELEMENTARY WITHOUT SACRIFICING DEPTH OF COVERAGE OR MATHEMATICAL RIGOR. THE FIRST EDITION BECAME A WIDELY USED TEXT IN UNIVERSITIES WORLDWIDE AS WELL AS THE STANDARD REFERENCE FOR PROFESSIONALS. THE SECOND EDITION FEATURED NEW CHAPTERS ON THE ROLE OF ALGORITHMS, PROBABILISTIC ANALYSIS AND RANDOMIZED ALGORITHMS, AND LINEAR PROGRAMMING. THE THIRD EDITION HAS BEEN REVISED AND UPDATED THROUGHOUT. IT INCLUDES TWO COMPLETELY NEW CHAPTERS, ON VAN EMDE BOAS TREES AND MULTITHREADED ALGORITHMS, SUBSTANTIAL ADDITIONS TO THE CHAPTER ON RECURRENCE (NOW CALLED "DIVIDE-AND-CONQUER"), AND AN APPENDIX ON MATRICES. IT FEATURES IMPROVED TREATMENT OF DYNAMIC PROGRAMMING AND GREEDY ALGORITHMS AND A NEW NOTION OF EDGE-BASED FLOW IN THE MATERIAL ON FLOW NETWORKS. MANY EXERCISES AND PROBLEMS HAVE BEEN ADDED FOR THIS EDITION. THE INTERNATIONAL PAPERBACK EDITION IS NO LONGER AVAILABLE; THE HARDCOVER IS AVAILABLE WORLDWIDE.

CRACKING THE MACHINE LEARNING INTERVIEW - NITIN SURI 2018-12-18

"A BREAKTHROUGH IN MACHINE LEARNING WOULD BE WORTH TEN MICROSOFTS." -BILL GATES
DESPITE BEING ONE OF THE HOTTEST DISCIPLINES IN THE TECH INDUSTRY RIGHT NOW, ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING REMAIN A LITTLE ELUSIVE TO MOST. THE ERRATIC AVAILABILITY OF RESOURCES ONLINE MAKES IT EXTREMELY CHALLENGING FOR US TO DELVE DEEPER INTO THESE FIELDS. ESPECIALLY WHEN GEARING UP FOR JOB INTERVIEWS, MOST OF US ARE AT A LOSS DUE TO THE UNAVAILABILITY OF A COMPLETE AND UNCONDENSED SOURCE OF LEARNING. CRACKING THE MACHINE LEARNING INTERVIEW EQUIPS YOU WITH 225 OF THE BEST MACHINE LEARNING PROBLEMS ALONG WITH THEIR SOLUTIONS. REQUIRES ONLY A BASIC KNOWLEDGE OF FUNDAMENTAL MATHEMATICAL AND STATISTICAL CONCEPTS. ASSISTS IN LEARNING THE INTRICACIES UNDERLYING MACHINE LEARNING CONCEPTS AND ALGORITHMS SUITED TO SPECIFIC PROBLEMS. UNIQUELY PROVIDES A MANIFOLD UNDERSTANDING OF BOTH STATISTICAL FOUNDATIONS AND APPLIED PROGRAMMING MODELS FOR SOLVING PROBLEMS. DISCUSSES KEY POINTS AND CONCRETE TIPS FOR APPROACHING REAL LIFE SYSTEM DESIGN PROBLEMS AND IMPARTS THE ABILITY TO APPLY THEM TO YOUR DAY TO DAY WORK. THIS BOOK COVERS ALL THE MAJOR TOPICS WITHIN MACHINE LEARNING WHICH ARE FREQUENTLY ASKED IN THE INTERVIEWS. THESE INCLUDE: SUPERVISED AND UNSUPERVISED LEARNING CLASSIFICATION AND REGRESSION DECISION TREES ENSEMBLES K-NEAREST NEIGHBORS LOGISTIC REGRESSION SUPPORT VECTOR MACHINES NEURAL NETWORKS REGULARIZATION CLUSTERING DIMENSIONALITY REDUCTION FEATURE EXTRACTION FEATURE ENGINEERING MODEL EVALUATION NATURAL LANGUAGE PROCESSING REAL LIFE SYSTEM DESIGN PROBLEMS MATHEMATICS AND STATISTICS BEHIND THE MACHINE LEARNING ALGORITHMS VARIOUS DISTRIBUTIONS AND STATISTICAL TESTS THIS BOOK CAN BE USED BY STUDENTS AND PROFESSIONALS ALIKE. IT HAS BEEN DRAFTED IN A WAY TO BENEFIT BOTH, NOVICES AS WELL AS INDIVIDUALS WITH SUBSTANTIAL EXPERIENCE IN MACHINE LEARNING. FOLLOWING CRACKING THE MACHINE LEARNING INTERVIEW DILIGENTLY WOULD EQUIP YOU TO FACE ANY MACHINE LEARNING INTERVIEW.

IT INTERVIEW QUESTIONS - NARASIMHA KARUMANCHI 2014-04

SALIENT FEATURES OF BOOK PROVIDES INSIGHT INTO WHAT DRIVES THE RECRUITMENT PROCESS AND WHAT AN INTERVIEWER LOOKS FOR WHILE INTERVIEWING AN ENGINEERING STUDENT COVERS CONCEPTS, PROBLEMS, AND INTERVIEW QUESTIONS FOR EACH TOPIC COVERS LATEST BUZZWORDS LIKE CLOUD COMPUTING, VIRTUALIZATION, BIG DATA, AND MANY MORE ALL THE CONCEPTS ARE DISCUSSED IN A LUCID, EASY TO UNDERSTAND MANNER A READER WITHOUT ANY BASIC KNOWLEDGE IN COMPUTERS CAN COMFORTABLY FOLLOW THIS BOOK CODERS/PROGRAMMERS ARE IN DEMAND, BUT TO LAND THE JOB, YOU MUST DEMONSTRATE KNOWLEDGE OF THOSE THINGS EXPECTED BY TODAY'S EMPLOYERS. THIS GUIDE SETS YOU UP FOR SUCCESS. NOT ONLY DOES IT PROVIDE THE MOST COMMONLY ASKED INTERVIEW QUESTIONS AND ANSWERS, BUT IT ALSO OFFERS INSIGHT INTO THE INTERVIEW PROCESS IN TODAY'S MARKETPLACE. THIS BOOK IS A COMPREHENSIVE GUIDE FOR EXPERIENCED AND FIRST-TIME PROGRAMMERS ALIKE. THE BOOK IS SPECIFICALLY DESIGNED FOR FRESHERS, WHO DESPITE BEING BRILLIANT AT THE TECHNICAL ASPECTS OF THE INTERVIEW, TEND TO FAIL WHEN IT COMES TO SOFT SKILLS AND HR INTERVIEWS. THE BOOK PROVIDES READERS WITH A RELEVANT BLUEPRINT WHEN IT COMES TO PLANNING FOR PRE-INTERVIEW PREPARATION. IT PROVIDES CANDIDATES WITH GUIDELINES ON THE PREPARATION OF THEIR RESUMES AND THE FORMAT THAT SHOULD BE FOLLOWED. TABLE OF CONTENTS 1. ORGANIZATION OF CHAPTERS 17 2.GETTING READY 22 3.GROUP DISCUSSIONS 37 4.OPERATING SYSTEM CONCEPTS 54 5.C/C++/JAVA INTERVIEW QUESTIONS 81 6.SCRIPTING LANGUAGES 157 7.BITWISE HACKING 194 8.CONCEPTS OF COMPUTER NETWORKING 203 9.DATABASE MANAGEMENT SYSTEMS 256 10.BRAIN TEASERS 271 11.ALGORITHMS INTRODUCTION 274 12.RECURSION AND BACKTRACKING 285 13.LINKED LISTS 290 14.STACKS 322

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CRACKING THE CODING INTERVIEW QUESTIONS - NARASIMHA KARUMANCHI 2016-08-24

"CODING INTERVIEW QUESTIONS" IS A BOOK THAT PRESENTS INTERVIEW QUESTIONS IN SIMPLE AND STRAIGHTFORWARD MANNER WITH A CLEAR-CUT EXPLANATION. THIS BOOK WILL PROVIDE AN INTRODUCTION TO THE BASICS. IT COMES HANDY AS AN INTERVIEW AND EXAM GUIDE FOR COMPUTER SCIENTISTS.

WEB SCALABILITY FOR STARTUP ENGINEERS - ARTUR EJSMONT 2015-07-03

THIS INVALUABLE ROADMAP FOR STARTUP ENGINEERS REVEALS HOW TO SUCCESSFULLY HANDLE WEB APPLICATION SCALABILITY CHALLENGES TO MEET INCREASING PRODUCT AND TRAFFIC DEMANDS. WEB SCALABILITY FOR STARTUP ENGINEERS SHOWS ENGINEERS WORKING AT STARTUPS AND SMALL COMPANIES HOW TO PLAN AND IMPLEMENT A COMPREHENSIVE SCALABILITY STRATEGY. IT PRESENTS BROAD AND HOLISTIC VIEW OF INFRASTRUCTURE AND ARCHITECTURE OF A SCALABLE WEB APPLICATION. SUCCESSFUL STARTUPS OFTEN FACE THE CHALLENGE OF SCALABILITY, AND THE CORE CONCEPTS DRIVING A SCALABLE ARCHITECTURE ARE LANGUAGE AND PLATFORM AGNOSTIC. THE BOOK COVERS SCALABILITY OF HTTP-BASED SYSTEMS (WEBSITES, REST APIs, SAAS, AND MOBILE APPLICATION BACKENDS), STARTING WITH A HIGH-LEVEL PERSPECTIVE BEFORE TAKING A DEEP DIVE INTO COMMON CHALLENGES AND ISSUES. THIS APPROACH BUILDS A HOLISTIC VIEW OF THE PROBLEM, HELPING YOU SEE THE BIG PICTURE, AND THEN INTRODUCES DIFFERENT TECHNOLOGIES AND BEST PRACTICES FOR SOLVING THE PROBLEM AT HAND. THE BOOK IS ENRICHED WITH THE AUTHOR'S REAL-WORLD EXPERIENCE AND EXPERT ADVICE, SAVING YOU PRECIOUS TIME AND EFFORT BY LEARNING FROM OTHERS' MISTAKES AND SUCCESSSES. LANGUAGE-AGNOSTIC APPROACH ADDRESSES UNIVERSALLY CHALLENGING CONCEPTS IN WEB DEVELOPMENT/SCALABILITY—DOES NOT REQUIRE KNOWLEDGE OF A PARTICULAR LANGUAGE FILLS THE GAP FOR ENGINEERS IN STARTUPS AND SMALLER COMPANIES WHO HAVE LIMITED MEANS FOR GETTING TO THE NEXT LEVEL IN TERMS OF ACCOMPLISHING SCALABILITY STRATEGIES PRESENTED HELP TO DECREASE TIME TO MARKET AND INCREASE THE EFFICIENCY OF WEB APPLICATIONS

ARE YOU SMART ENOUGH TO WORK AT GOOGLE? - WILLIAM POUNDSTONE 2012-01-04

YOU ARE SHRUNK TO THE HEIGHT OF A NICKEL AND THROWN IN A BLENDER. THE BLADES START MOVING IN 60 SECONDS. WHAT DO YOU DO? IF YOU WANT TO WORK AT GOOGLE, OR ANY OF AMERICA'S BEST COMPANIES, YOU NEED TO HAVE AN ANSWER TO THIS AND OTHER PUZZLING QUESTIONS. ARE YOU SMART ENOUGH TO WORK AT GOOGLE? GUIDES READERS THROUGH THE SURPRISING SOLUTIONS TO DOZENS OF THE MOST CHALLENGING INTERVIEW QUESTIONS. THE BOOK COVERS THE IMPORTANCE OF CREATIVE THINKING, WAYS TO GET A LEG UP ON THE COMPETITION, WHAT YOUR FACEBOOK PAGE SAYS ABOUT YOU, AND MUCH MORE. ARE YOU SMART ENOUGH TO WORK AT GOOGLE? IS A MUST-READ FOR ANYONE WHO WANTS TO SUCCEED IN TODAY'S JOB MARKET.

ADVANCED FINANCIAL RISK MANAGEMENT - DONALD R. VAN DEVENTER 2013-02-06

PRACTICAL TOOLS AND ADVICE FOR MANAGING FINANCIAL RISK, UPDATED FOR A POST-CRISIS WORLD ADVANCED FINANCIAL RISK MANAGEMENT BRIDGES THE GAP BETWEEN THE IDEALIZED ASSUMPTIONS USED FOR RISK VALUATION AND THE REALITIES THAT MUST BE REFLECTED IN MANAGEMENT ACTIONS. IT EXPLAINS, IN DETAILED YET EASY-TO-UNDERSTAND TERMS, THE ANALYTICS OF THESE ISSUES FROM A TO Z, AND LAYS OUT A COMPREHENSIVE STRATEGY FOR RISK MANAGEMENT MEASUREMENT, OBJECTIVES, AND HEDGING TECHNIQUES THAT APPLY TO ALL TYPES OF INSTITUTIONS. WRITTEN BY EXPERIENCED RISK MANAGERS, THE BOOK COVERS EVERYTHING FROM THE BASICS OF PRESENT VALUE, FORWARD RATES, AND INTEREST RATE COMPOUNDING TO THE WIDE VARIETY OF ALTERNATIVE TERM STRUCTURE MODELS. REVISED AND UPDATED WITH LESSONS FROM THE 2007-2010 FINANCIAL CRISIS, ADVANCED FINANCIAL RISK MANAGEMENT OUTLINES A FRAMEWORK FOR FULLY INTEGRATED RISK MANAGEMENT. CREDIT RISK, MARKET RISK, ASSET AND LIABILITY MANAGEMENT, AND PERFORMANCE MEASUREMENT HAVE HISTORICALLY BEEN THOUGHT OF AS SEPARATE DISCIPLINES, BUT RECENT DEVELOPMENTS IN FINANCIAL THEORY AND COMPUTER SCIENCE NOW ALLOW THESE VIEWS OF RISK TO BE ANALYZED ON A MORE INTEGRATED BASIS. THE BOOK PRESENTS A PERFORMANCE MEASUREMENT APPROACH THAT GOES FAR BEYOND TRADITIONAL CAPITAL ALLOCATION TECHNIQUES TO MEASURE RISK-ADJUSTED SHAREHOLDER VALUE CREATION, AND SUPPLEMENTS THIS STRATEGIC VIEW OF INTEGRATED RISK WITH STEP-BY-STEP TOOLS AND TECHNIQUES FOR CONSTRUCTING A RISK MANAGEMENT SYSTEM THAT ACHIEVES THESE OBJECTIVES. PRACTICAL TOOLS FOR MANAGING RISK IN THE FINANCIAL WORLD UPDATED TO INCLUDE THE MOST RECENT EVENTS THAT HAVE INFLUENCED RISK MANAGEMENT TOPICS COVERED INCLUDE THE BASICS OF PRESENT VALUE, FORWARD RATES, AND INTEREST RATE COMPOUNDING; AMERICAN VS. EUROPEAN FIXED INCOME OPTIONS; DEFAULT PROBABILITY MODELS; PREPAYMENT MODELS; MORTALITY MODELS; AND ALTERNATIVES TO THE VASICEK MODEL COMPREHENSIVE AND IN-DEPTH, ADVANCED FINANCIAL RISK MANAGEMENT IS AN ESSENTIAL RESOURCE FOR ANYONE WORKING IN THE FINANCIAL FIELD.

A COMMON-SENSE GUIDE TO DATA STRUCTURES AND ALGORITHMS - JAY WENGROW 2017-08-03

"ALGORITHMS AND DATA STRUCTURES ARE MUCH MORE THAN ABSTRACT CONCEPTS. MASTERING THEM ENABLES YOU TO WRITE CODE THAT RUNS FASTER AND MORE EFFICIENTLY,

WHICH IS PARTICULARLY IMPORTANT FOR TODAY'S WEB AND MOBILE APPS. THIS BOOK TAKES A PRACTICAL APPROACH TO DATA STRUCTURES AND ALGORITHMS, WITH TECHNIQUES AND REAL-WORLD SCENARIOS THAT YOU CAN USE IN YOUR DAILY PRODUCTION CODE. GRAPHICS AND EXAMPLES MAKE THESE COMPUTER SCIENCE CONCEPTS UNDERSTANDABLE AND RELEVANT. YOU CAN USE THESE TECHNIQUES WITH ANY LANGUAGE; EXAMPLES IN THE BOOK ARE IN JAVASCRIPT, PYTHON, AND RUBY. USE BIG O NOTATION, THE PRIMARY TOOL FOR EVALUATING ALGORITHMS, TO MEASURE AND ARTICULATE THE EFFICIENCY OF YOUR CODE, AND MODIFY YOUR ALGORITHM TO MAKE IT FASTER. FIND OUT HOW YOUR CHOICE OF ARRAYS, LINKED LISTS, AND HASH TABLES CAN DRAMATICALLY AFFECT THE CODE YOU WRITE. USE RECURSION TO SOLVE TRICKY PROBLEMS AND CREATE ALGORITHMS THAT RUN EXPONENTIALLY FASTER THAN THE ALTERNATIVES. DIG INTO ADVANCED DATA STRUCTURES SUCH AS BINARY TREES AND GRAPHS TO HELP SCALE SPECIALIZED APPLICATIONS SUCH AS SOCIAL NETWORKS AND MAPPING SOFTWARE. YOU'LL EVEN ENCOUNTER A SINGLE KEYWORD THAT CAN GIVE YOUR CODE A TURBO BOOST. JAY WENGROW BRINGS TO THIS BOOK THE KEY TEACHING PRACTICES HE DEVELOPED AS A WEB DEVELOPMENT BOOTCAMP FOUNDER AND EDUCATOR. USE THESE TECHNIQUES TODAY TO MAKE YOUR CODE FASTER AND MORE SCALABLE. "

CLEAN CODE - ROBERT C. MARTIN 2009

LOOKS AT THE PRINCIPLES AND CLEAN CODE, INCLUDES CASE STUDIES SHOWCASING THE PRACTICES OF WRITING CLEAN CODE, AND CONTAINS A LIST OF HEURISTICS AND "SMELLS" ACCUMULATED FROM THE PROCESS OF WRITING CLEAN CODE.

JAVA INTERVIEW QUESTIONS - CODING INTERVIEW 2017-02-24

WE ARE SHARING 20 JAVA INTERVIEW PROGRAMMING QUESTIONS; THESE QUESTIONS ARE FREQUENTLY ASKED BY THE RECRUITERS. JAVA QUESTIONS CAN BE ASKED FROM ANY CORE JAVA TOPIC. SO WE TRY OUR BEST TO PROVIDE YOU THE JAVA INTERVIEW QUESTIONS AND ANSWERS FOR EXPERIENCED & FRESHER WHICH SHOULD BE IN YOUR TO DO LIST BEFORE FACING JAVA QUESTIONS IN TECHNICAL INTERVIEW.

PROGRAMMING CHALLENGES - STEVEN S SKIENA 2006-04-18

THERE ARE MANY DISTINCT PLEASURES ASSOCIATED WITH COMPUTER PROGRAMMING. CRAFTSMANSHIP HAS ITS QUIET REWARDS, THE SATISFACTION THAT COMES FROM BUILDING A USEFUL OBJECT AND MAKING IT WORK. EXCITEMENT ARRIVES WITH THE FLASH OF INSIGHT THAT CRACKS A PREVIOUSLY INTRACTABLE PROBLEM. THE SPIRITUAL QUEST FOR ELEGANCE CAN TURN THE HACKER INTO AN ARTIST. THERE ARE PLEASURES IN PARSIMONY, IN SQUEEZING THE LAST DROP OF PERFORMANCE OUT OF CLEVER ALGORITHMS AND TIGHT CODING. THE GAMES, PUZZLES, AND CHALLENGES OF PROBLEMS FROM INTERNATIONAL PROGRAMMING COMPETITIONS ARE A GREAT WAY TO EXPERIENCE THESE PLEASURES WHILE IMPROVING YOUR ALGORITHMIC AND CODING SKILLS. THIS BOOK CONTAINS OVER 100 PROBLEMS THAT HAVE APPEARED IN PREVIOUS PROGRAMMING CONTESTS, ALONG WITH DISCUSSIONS OF THE THEORY AND IDEAS NECESSARY TO ATTACK THEM. INSTANT ONLINE GRADING FOR ALL OF THESE PROBLEMS IS AVAILABLE FROM TWO WWW ROBOT JUDGING SITES. COMBINING THIS BOOK WITH A JUDGE GIVES AN EXCITING NEW WAY TO CHALLENGE AND IMPROVE YOUR PROGRAMMING SKILLS. THIS BOOK CAN BE USED FOR SELF-STUDY, FOR TEACHING INNOVATIVE COURSES IN ALGORITHMS AND PROGRAMMING, AND IN TRAINING FOR INTERNATIONAL COMPETITION. THE PROBLEMS IN THIS BOOK HAVE BEEN SELECTED FROM OVER 1,000 PROGRAMMING PROBLEMS AT THE UNIVERSIDAD DE VALLADOLID ONLINE JUDGE. THE JUDGE HAS RULED ON WELL OVER ONE MILLION SUBMISSIONS FROM 27,000 REGISTERED USERS AROUND THE WORLD TO DATE. WE HAVE TAKEN ONLY THE BEST OF THE BEST, THE MOST FUN, EXCITING, AND INTERESTING PROBLEMS AVAILABLE.

CRACKING THE TECH CAREER - GAYLE LAAKMANN McDOWELL 2014-09-15

BECOME THE APPLICANT GOOGLE CAN'T TURN DOWN CRACKING THE TECH CAREER IS THE JOB SEEKER'S GUIDE TO LANDING A COVETED POSITION AT ONE OF THE TOP TECH FIRMS. A FOLLOW-UP TO THE GOOGLE RESUME, THIS BOOK PROVIDES NEW INFORMATION ON WHAT THESE COMPANIES WANT, AND HOW TO SHOW THEM YOU HAVE WHAT IT TAKES TO SUCCEED IN THE ROLE. EARLY PLANNERS WILL LEARN WHAT TO STUDY, AND ESTABLISHED PROFESSIONALS WILL DISCOVER HOW TO MAKE THEIR SKILLSET AND EXPERIENCE SET THEM APART FROM THE CROWD. AUTHOR GAYLE LAAKMANN McDOWELL WORKED IN ENGINEERING AT GOOGLE, AND INTERVIEWED OVER 120 CANDIDATES AS A MEMBER OF THE HIRING COMMITTEE - IN THIS BOOK, SHE SHARES HER PERSPECTIVES ON WHAT WORKS AND WHAT DOESN'T, WHAT MAKES YOU DESIRABLE, AND WHAT GETS YOUR RESUME SAVED OR DELETED. APPLE, MICROSOFT, AND GOOGLE ARE THE COVETED COMPANIES IN THE CURRENT JOB MARKET. THEY FIELD HUNDREDS OF RESUMES EVERY DAY, AND HAVE THEIR PICK OF THE CREAM OF THE CROP WHEN IT COMES TO SELECTING NEW HIRES. IF YOU THINK THE RIGHT ALMA MATER IS ALL IT TAKES, YOU NEED TO UPDATE YOUR THINKING. TOP COMPANIES, ESPECIALLY IN THE TECH SECTOR, ARE LOOKING FOR MORE. THIS BOOK IS THE COMPLETE GUIDE TO BECOMING THE CANDIDATE THEY JUST CANNOT TURN AWAY. DISCOVER THE CAREER PATHS THAT RUN THROUGH THE TOP TECH FIRMS LEARN HOW TO CRAFT THE PERFECT RESUME AND PREPARE FOR THE INTERVIEW FIND WAYS TO MAKE YOURSELF STAND OUT FROM THE HORDES OF OTHER APPLICANTS UNDERSTAND WHAT THE TOP COMPANIES ARE LOOKING FOR, AND HOW TO DEMONSTRATE THAT YOU'RE IT THESE COMPANIES NEED CERTAIN SKILLSETS, BUT THEY ALSO WANT A GREAT CULTURE FIT. GRADES AREN'T EVERYTHING, EXPERIENCE MATTERS, AND A CERTAIN TYPE OF APPLICANT TENDS TO SUCCEED. CRACKING THE TECH CAREER REVEALS WHAT THE HIRING COMMITTEE WANTS, AND SHOWS YOU HOW TO GET IT.

CRACKING THE CODING INTERVIEW - GAYLE LAAKMANN McDOWELL 2011

NOW IN THE 5TH EDITION, THE BOOK GIVES YOU THE INTERVIEW PREPARATION YOU NEED TO GET THE TOP SOFTWARE DEVELOPER JOBS. THIS IS A DEEPLY TECHNICAL BOOK AND FOCUSES ON THE SOFTWARE ENGINEERING SKILLS TO ACE YOUR INTERVIEW. THE BOOK INCLUDES 150 PROGRAMMING INTERVIEW QUESTIONS AND ANSWERS, AS WELL AS OTHER ADVICE.

ALGORITHMIC PUZZLES - ANANY LEVITIN 2011-10-14

ALGORITHMIC PUZZLES ARE PUZZLES INVOLVING WELL-DEFINED PROCEDURES FOR SOLVING PROBLEMS. THIS BOOK WILL PROVIDE AN ENJOYABLE AND ACCESSIBLE INTRODUCTION TO ALGORITHMIC PUZZLES THAT WILL DEVELOP THE READER'S ALGORITHMIC THINKING. THE FIRST PART OF THIS BOOK IS A TUTORIAL ON ALGORITHM DESIGN STRATEGIES AND ANALYSIS TECHNIQUES. ALGORITHM DESIGN STRATEGIES — EXHAUSTIVE SEARCH, BACKTRACKING, DIVIDE-AND-CONQUER AND A FEW OTHERS — ARE GENERAL APPROACHES TO DESIGNING STEP-BY-STEP INSTRUCTIONS FOR SOLVING PROBLEMS. ANALYSIS TECHNIQUES ARE METHODS FOR INVESTIGATING SUCH PROCEDURES TO ANSWER QUESTIONS ABOUT THE ULTIMATE RESULT OF THE PROCEDURE OR HOW MANY STEPS ARE EXECUTED BEFORE THE PROCEDURE STOPS. THE

DISCUSSION IS AN ELEMENTARY LEVEL, WITH PUZZLE EXAMPLES, AND REQUIRES NEITHER PROGRAMMING NOR MATHEMATICS BEYOND A SECONDARY SCHOOL LEVEL. THUS, THE TUTORIAL PROVIDES A GENTLE AND ENTERTAINING INTRODUCTION TO MAIN IDEAS IN HIGH-LEVEL ALGORITHMIC PROBLEM SOLVING. THE SECOND AND MAIN PART OF THE BOOK CONTAINS 150 PUZZLES, FROM CENTURIES-OLD CLASSICS TO NEWCOMERS OFTEN ASKED DURING JOB INTERVIEWS AT COMPUTING, ENGINEERING, AND FINANCIAL COMPANIES. THE PUZZLES ARE DIVIDED INTO THREE GROUPS BY THEIR DIFFICULTY LEVELS. THE FIRST FIFTY PUZZLES IN THE EASIER PUZZLES SECTION REQUIRE ONLY MIDDLE SCHOOL MATHEMATICS. THE SIXTY PUZZLE OF AVERAGE DIFFICULTY AND FORTY HARDER PUZZLES REQUIRE JUST HIGH SCHOOL MATHEMATICS PLUS A FEW TOPICS SUCH AS BINARY NUMBERS AND SIMPLE RECURRENCES, WHICH ARE REVIEWED IN THE TUTORIAL. ALL THE PUZZLES ARE PROVIDED WITH HINTS, DETAILED SOLUTIONS, AND BRIEF COMMENTS. THE COMMENTS DEAL WITH THE PUZZLE ORIGINS AND DESIGN OR ANALYSIS TECHNIQUES USED IN THE SOLUTION. THE BOOK SHOULD BE OF INTEREST TO PUZZLE LOVERS, STUDENTS AND TEACHERS OF ALGORITHM COURSES, AND PERSONS EXPECTING TO BE GIVEN PUZZLES DURING JOB INTERVIEWS.

PROGRAMMING INTERVIEWS EXPOSED - JOHN MONGAN 2018-03-28

ACE TECHNICAL INTERVIEWS WITH SMART PREPARATION PROGRAMMING INTERVIEWS EXPOSED IS THE PROGRAMMER'S IDEAL FIRST CHOICE FOR TECHNICAL INTERVIEW PREPARATION. UPDATED TO REFLECT CHANGING TECHNIQUES AND TRENDS, THIS NEW FOURTH EDITION PROVIDES INSIDER GUIDANCE ON THE UNIQUE INTERVIEW PROCESS THAT TODAY'S PROGRAMMERS FACE. ONLINE CODING CONTESTS ARE BEING USED TO SCREEN CANDIDATE POOLS OF THOUSANDS, TAKE-HOME PROJECTS HAVE BECOME COMMONPLACE, AND EMPLOYERS ARE EVEN EVALUATING A CANDIDATE'S PUBLIC CODE REPOSITORIES AT GITHUB—AND WITH COMPETITION BECOMING INCREASINGLY FIERCE, PROGRAMMERS NEED TO SHAPE THEMSELVES INTO THE IDEAL CANDIDATE WELL IN ADVANCE OF THE INTERVIEW. THIS BOOK DOESN'T JUST GIVE YOU A COLLECTION OF QUESTIONS AND ANSWERS, IT WALKS YOU THROUGH THE PROCESS OF COMING UP WITH THE SOLUTION SO YOU LEARN THE SKILLS AND TECHNIQUES TO SHINE ON WHATEVER PROBLEMS YOU'RE GIVEN. THIS EDITION COMBINES A THOROUGHLY REVISED BASIS IN CLASSIC QUESTIONS INVOLVING FUNDAMENTAL DATA STRUCTURES AND ALGORITHMS WITH PROBLEMS AND STEP-BY-STEP PROCEDURES FOR NEW TOPICS INCLUDING PROBABILITY, DATA SCIENCE, STATISTICS, AND MACHINE LEARNING WHICH WILL HELP YOU FULLY PREPARE FOR WHATEVER COMES YOUR WAY. LEARN WHAT THE INTERVIEWER NEEDS TO HEAR TO MOVE YOU FORWARD IN THE PROCESS ADOPT AN EFFECTIVE APPROACH TO PHONE SCREENS WITH NON-TECHNICAL RECRUITERS EXAMINE COMMON INTERVIEW PROBLEMS AND TESTS WITH EXPERT EXPLANATIONS BE READY TO DEMONSTRATE YOUR SKILLS VERBALLY, IN CONTESTS, ON GITHUB, AND MORE TECHNICAL JOBS REQUIRE THE SKILLSET, BUT YOU WON'T GET HIRED UNLESS YOU ARE ABLE TO EFFECTIVELY AND EFFICIENTLY DEMONSTRATE THAT SKILLSET UNDER PRESSURE, IN COMPETITION WITH HUNDREDS OF OTHERS WITH THE SAME BACKGROUND. PROGRAMMING INTERVIEWS EXPOSED TEACHES YOU THE INTERVIEW SKILLS YOU NEED TO STAND OUT AS THE BEST APPLICANT TO HELP YOU GET THE JOB YOU WANT.

GROKING ALGORITHMS - ADITYA BHARGAVA 2016-05-12

"THIS BOOK DOES THE IMPOSSIBLE: IT MAKES MATH FUN AND EASY!" - SANDER ROSSEL, COAS SOFTWARE SYSTEMS GROKING ALGORITHMS IS A FULLY ILLUSTRATED, FRIENDLY GUIDE THAT TEACHES YOU HOW TO APPLY COMMON ALGORITHMS TO THE PRACTICAL PROBLEMS YOU FACE EVERY DAY AS A PROGRAMMER. YOU'LL START WITH SORTING AND SEARCHING AND, AS YOU BUILD UP YOUR SKILLS IN THINKING ALGORITHMICALLY, YOU'LL TACKLE MORE COMPLEX CONCERNS SUCH AS DATA COMPRESSION AND ARTIFICIAL INTELLIGENCE. EACH CAREFULLY PRESENTED EXAMPLE INCLUDES HELPFUL DIAGRAMS AND FULLY ANNOTATED CODE SAMPLES IN PYTHON. LEARNING ABOUT ALGORITHMS DOESN'T HAVE TO BE BORING! GET A SNEAK PEEK AT THE FUN, ILLUSTRATED, AND FRIENDLY EXAMPLES YOU'LL FIND IN GROKING ALGORITHMS ON MANNING PUBLICATIONS' YOUTUBE CHANNEL. CONTINUE YOUR JOURNEY INTO THE WORLD OF ALGORITHMS WITH ALGORITHMS IN MOTION, A PRACTICAL, HANDS-ON VIDEO COURSE AVAILABLE EXCLUSIVELY AT MANNING.COM (WWW.MANNING.COM/LIVEVIDEO/ALGORITHMS-IN-MOTION). PURCHASE OF THE PRINT BOOK INCLUDES A FREE eBook IN PDF, KINDLE, AND EPUB FORMATS FROM MANNING PUBLICATIONS. ABOUT THE TECHNOLOGY AN ALGORITHM IS NOTHING MORE THAN A STEP-BY-STEP PROCEDURE FOR SOLVING A PROBLEM. THE ALGORITHMS YOU'LL USE MOST OFTEN AS A PROGRAMMER HAVE ALREADY BEEN DISCOVERED, TESTED, AND PROVEN. IF YOU WANT TO UNDERSTAND THEM BUT REFUSE TO slog THROUGH DENSE MULTIPAGE PROOFS, THIS IS THE BOOK FOR YOU. THIS FULLY ILLUSTRATED AND ENGAGING GUIDE MAKES IT EASY TO LEARN HOW TO USE THE MOST IMPORTANT ALGORITHMS EFFECTIVELY IN YOUR OWN PROGRAMS. ABOUT THE BOOK GROKING ALGORITHMS IS A FRIENDLY TAKE ON THIS CORE COMPUTER SCIENCE TOPIC. IN IT, YOU'LL LEARN HOW TO APPLY COMMON ALGORITHMS TO THE PRACTICAL PROGRAMMING PROBLEMS YOU FACE EVERY DAY. YOU'LL START WITH TASKS LIKE SORTING AND SEARCHING. AS YOU BUILD UP YOUR SKILLS, YOU'LL TACKLE MORE COMPLEX PROBLEMS LIKE DATA COMPRESSION AND ARTIFICIAL INTELLIGENCE. EACH CAREFULLY PRESENTED EXAMPLE INCLUDES HELPFUL DIAGRAMS AND FULLY ANNOTATED CODE SAMPLES IN PYTHON. BY THE END OF THIS BOOK, YOU WILL HAVE MASTERED WIDELY APPLICABLE ALGORITHMS AS WELL AS HOW AND WHEN TO USE THEM. WHAT'S INSIDE COVERS SEARCH, SORT, AND GRAPH ALGORITHMS OVER 400 PICTURES WITH DETAILED WALKTHROUGHS PERFORMANCE TRADE-OFFS BETWEEN ALGORITHMS PYTHON-BASED CODE SAMPLES ABOUT THE READER THIS EASY-TO-READ, PICTURE-HEAVY INTRODUCTION IS SUITABLE FOR SELF-TAUGHT PROGRAMMERS, ENGINEERS, OR ANYONE WHO WANTS TO BRUSH UP ON ALGORITHMS. ABOUT THE AUTHOR ADITYA BHARGAVA IS A SOFTWARE ENGINEER WITH A DUAL BACKGROUND IN COMPUTER SCIENCE AND FINE ARTS. HE BLOGS ON PROGRAMMING AT ADIT.IO. TABLE OF CONTENTS INTRODUCTION TO ALGORITHMS SELECTION SORT RECURSION QUICKSORT HASH TABLES BREADTH-FIRST SEARCH DIJKSTRA'S ALGORITHM GREEDY ALGORITHMS DYNAMIC PROGRAMMING K-NEAREST NEIGHBORS

JAVA CODING INTERVIEW - MOISES GAMIO 2020-06

INCREASE YOUR SOFTWARE DEVELOPMENT INCOME BY USING ALGORITHMS AND DATA STRUCTURES TO LEVEL YOUR PROBLEM-SOLVING SKILLS. THE MORE PREPARED AND CONFIDENT YOU ARE, THE BETTER THE CHANCES OF NEGOTIATING YOUR NEXT SALARY!. WHY HAVE A GUIDE FOR INTERVIEWS JOBS IN THE TECH INDUSTRY ARE EXPECTED TO GROW EXPONENTIALLY IN THE NEXT FEW YEARS. IF YOU PLAN TO ENTER THE JOB MARKET SOON, YOU MUST KNOW THAT COMPANIES WILL EVALUATE YOUR PROBLEM-SOLVING SKILLS BASED ON DATA STRUCTURES AND ALGORITHMS, AND YOU WILL NEED TO FACE A COMPLEX PROBLEM ON A BLACKBOARD. THAT'S THE REASON WHY ALGORITHMS AND DATA STRUCTURES ARE VITAL.

YOU NEED THIS BOOK BECAUSE IT INCLUDES THE MOST COMMON QUESTIONS YOU CAN FIND IN A REAL INTERVIEW!. BY THE END OF READING THIS BOOK, YOU'LL BE ABLE TO: - UNDERSTAND THE BASICS OF COMMON DATA STRUCTURES AND ALGORITHMS AND APPLY THEM TO REAL QUESTIONS. - APPLY CLEAN CODE PRACTICES TO DEVELOP A USABLE ALGORITHM. - UNDERSTAND THE IMPORTANCE OF TEXT MANIPULATION METHODS, LISTS, RECURSION, CLASS DESIGN, QUEUES, STACKS, HASHING, TREES, GRAPHS, AND MANY MORE. - DEVELOP A COMPLETE ALGORITHM USING THE TDD APPROACH, E.G., GRAPH-BASED TRANSPORT SYSTEM, TIC TAC TOE GAME. - REACT BETTER THAN OTHER CANDIDATES WHEN FACED WITH A NEW PROBLEM, E.G., DESIGN AN ALGORITHM TO SOLVE A PROBLEM YOU HAVEN'T SEEN BEFORE. - UNDERSTAND AND PRACTICE 40 CODE CHALLENGES EXPLAINED STEP BY STEP, INCLUDING ITS PICTORIAL REPRESENTATION. TABLE OF CONTENTS: INNER WORKINGS OF DATA STRUCTURES BIG O NOTATION ARRAYS AND STRINGS LINKED LISTS MATH AND LOGIC PUZZLES RECURSION SORTING AND SEARCHING STACKS AND QUEUES HASH TABLE TREES AND GRAPHS CHALLENGE CODES ABOUT ME I AM A SOFTWARE ENGINEER WHO FACED REAL INTERVIEWS AS A CANDIDATE FOR STARTUPS AND BIG COMPANIES. THROUGHOUT THE YEARS, I HAVE SOURCED FACTUAL QUESTIONS THAT HAVE BEEN TRIED, TESTED, AND COMMENTED ON STEP BY STEP AND ARE NOW PART OF THIS BOOK!. I HOPE YOU FIND THEM PRACTICAL AND USEFUL IN YOUR CAREER SEARCH. I USUALLY WRITE TECH ARTICLES AT [HTTPS://MEDIUM.COM/ATMKGv89](https://medium.com/Atmkgv89) AND [HTTPS://CODERSITE.DEV](https://codersite.dev) LET'S CONNECT!

DESIGNING DATA-INTENSIVE APPLICATIONS - MARTIN KLEPPMANN 2017-03-16
DATA IS AT THE CENTER OF MANY CHALLENGES IN SYSTEM DESIGN TODAY. DIFFICULT ISSUES NEED TO BE FIGURED OUT, SUCH AS SCALABILITY, CONSISTENCY, RELIABILITY, EFFICIENCY, AND MAINTAINABILITY. IN ADDITION, WE HAVE AN OVERWHELMING VARIETY OF TOOLS, INCLUDING RELATIONAL DATABASES, NOSQL DATASTORES, STREAM OR BATCH PROCESSORS, AND MESSAGE BROKERS. WHAT ARE THE RIGHT CHOICES FOR YOUR APPLICATION? HOW DO YOU MAKE SENSE OF ALL THESE BUZZWORDS? IN THIS PRACTICAL AND COMPREHENSIVE GUIDE, AUTHOR MARTIN KLEPPMANN HELPS YOU NAVIGATE THIS DIVERSE LANDSCAPE BY EXAMINING THE PROS AND CONS OF VARIOUS TECHNOLOGIES FOR PROCESSING AND STORING DATA. SOFTWARE KEEPS CHANGING, BUT THE FUNDAMENTAL PRINCIPLES REMAIN THE SAME. WITH THIS BOOK, SOFTWARE ENGINEERS AND ARCHITECTS WILL LEARN HOW TO APPLY THOSE IDEAS IN PRACTICE, AND HOW TO MAKE FULL USE OF DATA IN MODERN APPLICATIONS. PEER UNDER THE HOOD OF THE SYSTEMS YOU ALREADY USE, AND LEARN HOW TO USE AND OPERATE THEM MORE EFFECTIVELY MAKE INFORMED DECISIONS BY IDENTIFYING THE STRENGTHS AND WEAKNESSES OF DIFFERENT TOOLS NAVIGATE THE TRADE-OFFS AROUND CONSISTENCY, SCALABILITY, FAULT TOLERANCE, AND COMPLEXITY UNDERSTAND THE DISTRIBUTED SYSTEMS RESEARCH UPON WHICH MODERN DATABASES ARE BUILT PEEK BEHIND THE SCENES OF MAJOR ONLINE SERVICES, AND LEARN FROM THEIR ARCHITECTURES

CRACKING THE PROGRAMMING INTERVIEW : - HARRY. H. CHAUDHARY. 2014-07-28
 01.INSIDE TOPICS AT A GLANCE 01.PREFACE, HOLD ON! FIRST READ IT! IT WILL HELP YOU! 02.INTERVIEW MYTHS. 03.CONVINCING THEM YOU'RE RIGHT FOR THE JOB. 04.CAN YOU DO THE JOB? 05.YOUR POTENTIAL TO TACKLE NEW TASKS. 06.EMPLOYERS LOVE MOTIVATED EMPLOYEES. 07.THE 'BIG FIVE' QUESTIONS. 08.BUILDING RAPPORT AND TRUST. 09.TEN EFFECTIVE ANSWERS TO COMMON QUESTIONS. 10.THE APPLE INTERVIEW. 11.THE GOOGLE INTERVIEW. 12.THE MICROSOFT INTERVIEW. 13.THE YAHOO INTERVIEW. 14.THE FACEBOOK INTERVIEW. 15.INTERVIEW FAQ'S - I 16.HOW TO PREPARE FOR TECHNICAL QUESTIONS. 17.HANDLING TECHNICAL QUESTIONS IN EASY WAY. 18.TOP TEN MISTAKES CANDIDATES MAKE. 19.THE 16 MOST REVEALING INTERVIEW QUESTIONS & ANSWERS. 20.JAVA INTERVIEW QUESTIONS & ANSWERS. 350+ Q/A (PART-1) 21.JAVA INTERVIEW QUESTIONS & ANSWERS. 350+ Q/A (PART-2) 22.JAVA INTERVIEW QUESTIONS & ANSWERS. 250+ Q/A (PART- 3) 23.TOP 10+ ADVANCE JAVA QUE-ANS FOR EXPERIENCED PROGRAMMERS. 24.JAVA RANDOM ALL-IN-ONE QUE-ANSWERS 50+ Q/A (PART- 4) 25.JAVA RANDOM ALL-IN-ONE QUE-ANSWERS 250+ Q/A (PART- 5) 26.JAVA CONCURRENCY INTERVIEW QUE-ANSWERS 27.JAVA COLLECTION INTERVIEW QUE-ANSWERS 40+ 28.JAVA EXCEPTION INTERVIEW QUE-ANSWERS 15+ 29.JAVA INTERVIEW BRAIN WASH QUE & Ans. 201+ Q/A (PART- 6) 30.JAVA 8 FEATURES FOR DEVELOPERS - LAMBDA.(PART- 7) 31.JAVA 8 FUNCTIONAL INTERFACE,STREAM & TIME API. (PART- 8) 32.JAVA RANDOM BRAIN DRILLS QUE-ANSWERS 50+ 33.JAVA RANDOM STRING QUE-ANSWERS 20+ 34.FINALLY KICK ON JAVA AND SAY BYE BYE.. 35.JAVA CODING STANDARDS (ADVANCE) 36.JAVA CODE CLARITY/MAINTAINABILITY/ 37.JAVA DATABASE ISSUES/ANALYSIS. 38.DRESS/BODY APPROPRIATELY GUIDELINES BY PICTURES & GRAPHICS. 01 ESSENTIAL JAVA INTERVIEW SKILLS--MADE EASY! 01 I MENTIONED APPROX 2000+ JAVA TECHNICAL QUESTIONS AND 200+ NON- TECHNICAL QUESTIONS FOR BEFORE THE TECHNICAL ROUND. THIS BOOK IS WORLD'S BIGGEST JAVA INTERVIEW BOOK YOU EVER READ. THAT'S WHY THIS BOOK IS BEST-SELLING BOOK OF 2014 IN JOB HUNTING & CAMPUS INTERVIEW OF TOP MNC'S. MUST SEE SAMPLE OF THIS BOOK OR AT THE END OF DESCRIPTION PLEASE SEE "INSIDE CONTENTS" PRESS DOWN KEY AND SEE HOW BEAUTIFUL INTERVIEW BOOK IT IS. THE MAIN OBJECTIVE OF THIS INTERVIEW BOOK IS NOT TO GIVE YOU JUST MAGICAL INTERVIEW QUESTION & TRICKS, I HAVE FOLLOWED A PATTERN OF IMPROVING THE QUESTION SOLUTION WITH DEEP QUESTIONS-ANSWERS EXPLANATIONS WITH DIFFERENT INTERVIEW COMPLEXITIES FOR EACH INTERVIEW PROBLEM, YOU WILL FIND MULTIPLE SOLUTIONS FOR COMPLEX INTERVIEW QUESTIONS. WHAT SPECIAL - IN THIS BOOK I COVERED AND EXPLAINED SEVERAL TOPICS OF LATEST JAVA 8 FEATURES IN DETAIL FOR DEVELOPERS & FRESHERS, TOPICS LIKE- LAMBDA. JAVA 8 FUNCTIONAL INTERFACE, STREAM AND TIME API. AS A JOB SEEKER IF YOU READ THE COMPLETE BOOK WITH GOOD UNDERSTANDING & SERIOUSLY, I AM 101% SURE YOU WILL CHALLENGE ANY INTERVIEW & INTERVIEWERS (SPECIALLY JAVA) IN THIS WORLD. AND THIS IS THE OBJECTIVE OF THIS BOOK. THIS BOOK CONTAINS MORE THAN TWO THOUSANDS TECHNICAL JAVA QUESTIONS AND 200 NON-TECHNICAL QUESTIONS LIKE BEFORE THIS BOOK IS VERY MUCH USEFUL FOR I.T PROFESSIONALS AND THE STUDENTS OF ENGINEERING DEGREE AND MASTERS DURING THEIR CAMPUS INTERVIEW AND ACADEMIC PREPARATIONS. IF YOU READ AS A STUDENT PREPARING FOR INTERVIEW FOR COMPUTER SCIENCE OR INFORMATION TECHNOLOGY, THE CONTENT OF THIS BOOK COVERS ALL THE REQUIRED TOPICS IN FULL DETAILS. WHILE WRITING THE BOOK, AN INTENSE CARE HAS BEEN TAKEN TO HELP STUDENTS WHO ARE PREPARING FOR THESE KINDS OF TECHNICAL INTERVIEW ROUNDS. BOTH PHYSICAL PAPERBACK AND DIGITAL EDITIONS ARE AVAILABLE ON LULU.COM & AMAZON.COM ||GOOGLE BOOKS & GOOGLE PLAY BOOK STORES ,ORDER TODAY AND GET

A DISCOUNTED COPY. ACCORDING TO THE LAST YEAR AND THIS YEAR DATA THAT WE HAVE COLLECTED FROM DIFFERENT SOURCES, MORE THAN 5,67,000 STUDENTS AND IT PROFESSIONALS GONE THROUGH THIS BOOK AND SUCCESSFULLY CRACKED THEIR JOBS IN IT INDUSTRY AND OTHER INDUSTRIES AS WELL. DON'T FORGET TO WRITE A CUSTOMER REVIEW OR COMMENT ABOUT THIS BOOK. FOR DATA STRUCTURE AND ALGORITHMS & C-C++ INTERVIEW QUESTIONS, READ HARRY'S UPCOMING BOOK- "CRACKING THE C & C++ INTERVIEW" AND CRACKING THE "ALGORITHMS INTERVIEW" TELL YOUR FRIENDS ABOUT THIS ULTIMATE JAVA BOOK.

DYNAMIC PROGRAMMING FOR CODING INTERVIEWS - MEENAKSHI 2017-01-18
I WANTED TO COMPUTE 80TH TERM OF THE FIBONACCI SERIES. I WROTE THE RAMPANT RECURSIVE FUNCTION, INT FIB(INT N){ RETURN (1==N || 2==N) ? 1 : FIB(N-1) + FIB(N-2); } AND WAITED FOR THE RESULT. I WAIT... AND WAIT... AND WAIT... WITH AN 8GB RAM AND AN INTEL I5 CPU, WHY IS IT TAKING SO LONG? I TERMINATED THE PROCESS AND TRIED COMPUTING THE 40TH TERM. IT TOOK ABOUT A SECOND. I PUT A CHECK AND WAS SHOCKED TO FIND THAT THE ABOVE RECURSIVE FUNCTION WAS CALLED 204,668,309 TIMES WHILE COMPUTING THE 40TH TERM. MORE THAN 200 MILLION TIMES? IS IT REPORTING FUNCTION CALLS OR SCAM OF SOME GOVERNMENT? THE DYNAMIC PROGRAMMING SOLUTION COMPUTES 100TH FIBONACCI TERM IN LESS THAN FRACTION OF A SECOND, WITH A SINGLE FUNCTION CALL, TAKING LINEAR TIME AND CONSTANT EXTRA MEMORY. A RECURSIVE SOLUTION, USUALLY, NEITHER PASS ALL TEST CASES IN A CODING COMPETITION, NOR DOES IT IMPRESS THE INTERVIEWER IN AN INTERVIEW OF COMPANY LIKE GOOGLE, MICROSOFT, ETC. THE MOST DIFFICULT QUESTIONS ASKED IN COMPETITIONS AND INTERVIEWS, ARE FROM DYNAMIC PROGRAMMING. THIS BOOK TAKES DYNAMIC PROGRAMMING HEAD-ON. IT FIRST EXPLAIN THE CONCEPTS WITH SIMPLE EXAMPLES AND THEN DEEP DIVES INTO COMPLEX DP PROBLEMS.

CRACKING THE CODING INTERVIEW - GAYLE LAAKMANN McDOWELL 2015
NOW IN THE 6TH EDITION, THE BOOK GIVES YOU THE INTERVIEW PREPARATION YOU NEED TO GET THE TOP SOFTWARE DEVELOPER JOBS. THIS IS A DEEPLY TECHNICAL BOOK AND FOCUSES ON THE SOFTWARE ENGINEERING SKILLS TO ACE YOUR INTERVIEW. THE BOOK INCLUDES 189 PROGRAMMING INTERVIEW QUESTIONS AND ANSWERS, AS WELL AS OTHER ADVICE.

CRACKING THE DATA SCIENCE INTERVIEW - MAVERICK LIN 2019-12-17
CRACKING THE DATA SCIENCE INTERVIEW IS THE FIRST BOOK THAT ATTEMPTS TO CAPTURE THE ESSENCE OF DATA SCIENCE IN A CONCISE, COMPACT, AND CLEAN MANNER. IN A CRACKING THE CODING INTERVIEW STYLE, CRACKING THE DATA SCIENCE INTERVIEW FIRST INTRODUCES THE RELEVANT CONCEPTS, THEN PRESENTS A SERIES OF INTERVIEW QUESTIONS TO HELP YOU SOLIDIFY YOUR UNDERSTANDING AND PREPARE YOU FOR YOUR NEXT INTERVIEW. TOPICS INCLUDE: - NECESSARY PREREQUISITES (STATISTICS, PROBABILITY, LINEAR ALGEBRA, AND COMPUTER SCIENCE) - 18 BIG IDEAS IN DATA SCIENCE (SUCH AS OCCAM'S RAZOR, OVERFITTING, BIAS/VARIANCE TRADEOFF, CLOUD COMPUTING, AND CURSE OF DIMENSIONALITY) - DATA WRANGLING (EXPLORATORY DATA ANALYSIS, FEATURE ENGINEERING, DATA CLEANING AND VISUALIZATION) - MACHINE LEARNING MODELS (SUCH AS K-NN, RANDOM FORESTS, BOOSTING, NEURAL NETWORKS, K-MEANS CLUSTERING, PCA, AND MORE) - REINFORCEMENT LEARNING (Q-LEARNING AND DEEP Q-LEARNING) - NON-MACHINE LEARNING TOOLS (GRAPH THEORY, ARIMA, LINEAR PROGRAMMING) - CASE STUDIES (A LOOK AT WHAT DATA SCIENCE MEANS AT COMPANIES LIKE AMAZON AND UBER) MAVERICK HOLDS A BACHELOR'S DEGREE FROM THE COLLEGE OF ENGINEERING AT CORNELL UNIVERSITY IN OPERATIONS RESEARCH AND INFORMATION ENGINEERING (ORIE) AND A MINOR IN COMPUTER SCIENCE. HE IS THE AUTHOR OF THE POPULAR DATA SCIENCE CHEATSHEET AND DATA ENGINEERING CHEATSHEET ON GCP AND HAS PREVIOUS EXPERIENCE IN DATA SCIENCE CONSULTING FOR A FORTUNE 500 COMPANY FOCUSING ON FRAUD ANALYTICS.

CRACKING THE PM CAREER - JACKIE BAVARO 2021-01-26
PRODUCT MANAGEMENT IS A BIG ROLE, AND THIS A BIG BOOK.FROM THE AUTHORS OF THE BEST-SELLING CRACKING THE PM INTERVIEW COMES THE COMPREHENSIVE GUIDE TO THE SKILLS, FRAMEWORKS, AND PRACTICES TO BECOME A GREAT PRODUCT MANAGER. IT WILL HELP YOU LEVEL-UP YOUR SKILLS AND CAREER FROM YOUR FIRST PRODUCT MANAGEMENT ROLE THROUGH PRODUCT LEADERSHIP.YOU'LL LEARN HOW TO:* DESIGN HIGH-QUALITY PRODUCTS THAT DELIGHT USERS AND SOLVE PEOPLE'S NEEDS.* RUN AND DELIVER YOUR PROJECTS QUICKLY, SMOOTHLY, AND EFFECTIVELY.* CREATE PRODUCT VISIONS AND STRATEGIES TO SET DIRECTION AND OPTIMIZE FOR LONG-TERM IMPACT.* LEAD PEOPLE AND INFLUENCE WITHOUT AUTHORITY.* MANAGE PEOPLE, DEVELOP GREAT PMs, BUILD GREAT TEAMS, AND CREATE GREAT PRODUCT ORGANIZATIONS.* MANAGE YOUR CAREER SO YOU CAN TRANSLATE YOUR EFFORTS INTO THE RECOGNITION YOU DESERVE.THIS BOOK WILL TEACH YOU THE RELIABLE FRAMEWORKS AND BEST PRACTICES THAT IMPROVE YOUR CHANCES OF SHIPPING A SUCCESSFUL PRODUCT. THE FRAMEWORKS WON'T TRANSFORM YOU INTO A GREAT PRODUCT MANAGER OVERNIGHT OR GUARANTEE THAT YOUR PRODUCTS NEVER FAIL, BUT THEY'LL HELP YOU AVOID THE MOST COMMON PROBLEMS AND GIVE YOU THE STRUCTURE TO START EXPERIMENTING, REFLECTING, AND IMPROVING.TOPICS INCLUDE:* GETTING STARTED: THE PRODUCT LIFE CYCLE; THE FIRST 90 DAYS* PRODUCT SKILLS: USER RESEARCH; A/B TESTS; PROBLEM SOLVING FRAMEWORKS; SYSTEMS THINKING; PRODUCT DISCOVERY; DESIGN SPRINTS; ETHICAL PRODUCT DESIGN; TECHNICAL TERMS AND CONCEPTS; PRODUCT DOCUMENTATION (SPECS AND PRDs)* EXECUTION SKILLS: AGILE PROJECT MANAGEMENT; MINIMUM VIABLE PRODUCTS (MVPs); INCREMENTAL DEVELOPMENT; PRODUCT LAUNCHES; TIME MANAGEMENT; OVERCOMING OBSTACLES* STRATEGIC SKILLS: PRODUCT VISION; STRATEGY; ROADMAPS; GOALS AND OKRs* LEADERSHIP SKILLS: GROWTH MINDSET; OWNERSHIP MENTALITY; INFLUENCING WITHOUT AUTHORITY; STAKEHOLDER MANAGEMENT; COLLABORATION; COMMUNICATION; INSPIRING A TEAM; MENTORING; WORKING WITH DESIGNERS, ENGINEERS, AND EXECUTIVES* PEOPLE MANAGEMENT SKILLS: BECOMING A PEOPLE MANAGER; BEING A MEMBER OF THE LEADERSHIP TEAM; REVIEWING WORK; HOLDING PEOPLE ACCOUNTABLE; COACHING AND DEVELOPMENT; RECRUITING AND INTERVIEWING; PRODUCT PROCESSES; ORGANIZATIONAL STRUCTURES* CAREERS: CAREER LADDERS; CAREER GOALS; PARTNERING WITH YOUR MANAGER; PICKING THE RIGHT TEAM; NEGOTIATIONS; NETWORKING; HANDLING BAD SITUATIONS; CAREER OPTIONS BEYOND PM

CRACKING THE CODING INTERVIEW - GAYLE LAAKMANN McDOWELL 2011
NOW IN THE 5TH EDITION, CRACKING THE CODING INTERVIEW GIVES YOU THE INTERVIEW PREPARATION YOU NEED TO GET THE TOP SOFTWARE DEVELOPER JOBS. THIS BOOK PROVIDES: 150 PROGRAMMING INTERVIEW QUESTIONS AND SOLUTIONS: FROM BINARY TREES TO BINARY SEARCH, THIS LIST OF 150 QUESTIONS INCLUDES THE MOST COMMON AND MOST USEFUL QUESTIONS IN DATA STRUCTURES, ALGORITHMS, AND KNOWLEDGE BASED

QUESTIONS. 5 ALGORITHM APPROACHES: STOP BEING BLIND-SIDED BY TOUGH ALGORITHM QUESTIONS, AND LEARN THESE FIVE APPROACHES TO TACKLE THE TRICKIEST PROBLEMS. BEHIND THE SCENES OF THE INTERVIEW PROCESSES AT GOOGLE, AMAZON, MICROSOFT, FACEBOOK, YAHOO, AND APPLE: LEARN WHAT REALLY GOES ON DURING YOUR INTERVIEW DAY AND HOW DECISIONS GET MADE. TEN MISTAKES CANDIDATES MAKE -- AND HOW TO AVOID THEM: DON'T LOSE YOUR DREAM JOB BY MAKING THESE COMMON MISTAKES. LEARN WHAT MANY CANDIDATES DO WRONG, AND HOW TO AVOID THESE ISSUES. STEPS TO PREPARE FOR BEHAVIORAL AND TECHNICAL QUESTIONS: STOP MEANDERING THROUGH AN ENDLESS SET OF QUESTIONS, WHILE MISSING SOME OF THE MOST IMPORTANT PREPARATION TECHNIQUES. FOLLOW THESE STEPS TO MORE THOROUGHLY PREPARE IN LESS TIME.

CRACKING THE PM INTERVIEW - GAYLE LAAKMANN McDOWELL 2013

HOW MANY PIZZAS ARE DELIVERED IN MANHATTAN? HOW DO YOU DESIGN AN ALARM CLOCK FOR THE BLIND? WHAT IS YOUR FAVORITE PIECE OF SOFTWARE AND WHY? HOW WOULD YOU LAUNCH A VIDEO RENTAL SERVICE IN INDIA? THIS BOOK WILL TEACH YOU HOW TO ANSWER THESE QUESTIONS AND MORE. CRACKING THE PM INTERVIEW IS A COMPREHENSIVE BOOK ABOUT LANDING A PRODUCT MANAGEMENT ROLE IN A STARTUP OR BIGGER TECH COMPANY. LEARN HOW THE AMBIGUOUSLY-NAMED "PM" (PRODUCT MANAGER / PROGRAM MANAGER) ROLE VARIES ACROSS COMPANIES, WHAT EXPERIENCE YOU NEED, HOW TO MAKE YOUR EXISTING EXPERIENCE TRANSLATE, WHAT A GREAT PM RESUME AND COVER LETTER LOOK LIKE, AND FINALLY, HOW TO MASTER THE INTERVIEW: ESTIMATION QUESTIONS, BEHAVIORAL QUESTIONS, CASE QUESTIONS, PRODUCT QUESTIONS, TECHNICAL QUESTIONS, AND THE SUPER IMPORTANT "PITCH."

THE COMPLETE SOFTWARE DEVELOPER'S CAREER GUIDE - JOHN Z. SONMEZ 2017

"EARLY IN HIS SOFTWARE DEVELOPER CAREER, JOHN SONMEZ DISCOVERED THAT TECHNICAL KNOWLEDGE ALONE ISN'T ENOUGH TO BREAK THROUGH TO THE NEXT INCOME LEVEL - DEVELOPERS NEED "SOFT SKILLS" LIKE THE ABILITY TO LEARN NEW TECHNOLOGIES JUST IN TIME, COMMUNICATE CLEARLY WITH MANAGEMENT AND CONSULTING CLIENTS, NEGOTIATE A FAIR HOURLY RATE, AND UNITE TEAMMATES AND COWORKERS IN WORKING TOWARD A COMMON GOAL. TODAY JOHN HELPS MORE THAN 1.4 MILLION PROGRAMMERS EVERY YEAR TO INCREASE THEIR INCOME BY DEVELOPING THIS UNIQUE BLEND OF SKILLS. WHO SHOULD READ THIS BOOK? ENTRY-LEVEL DEVELOPERS - THIS BOOK WILL SHOW YOU HOW TO ENSURE YOU HAVE THE TECHNICAL SKILLS YOUR FUTURE BOSS IS LOOKING FOR, CREATE A RESUME THAT LEAPS OFF A HIRING MANAGER'S DESK, AND ESCAPE THE "NO WORK EXPERIENCE" TRAP. MID-CAREER DEVELOPERS - YOU'LL SEE HOW TO FIND AND FILL IN GAPS IN YOUR TECHNICAL KNOWLEDGE, POSITION YOURSELF AS THE ONE TEAM MEMBER YOUR BOSS CAN'T LIVE WITHOUT, AND TURN THOSE DREADED ANNUAL REVIEWS INTO CHANCE TO MAKE AN IRON-CLAD CASE FOR YOUR SALARY BUMP. SENIOR DEVELOPERS - THIS BOOK WILL SHOW YOU HOW TO BECOME A SPECIALIST WHO CAN COMMAND ABOVE-MARKET WAGES, HOW BUILDING A NAME FOR YOURSELF CAN MAKE OPPORTUNITIES COME TO YOU, AND HOW TO DECIDE WHETHER CONSULTING OR ENTREPRENEURSHIP ARE PATHS YOU SHOULD PURSUE. BRAND NEW DEVELOPERS - IN THIS BOOK YOU'LL DISCOVER WHAT IT'S LIKE TO BE A PROFESSIONAL SOFTWARE DEVELOPER, HOW TO GO FROM "I KNOW SOME CODE" TO POSSESSING THE SKILLS TO WORK ON A DEVELOPMENT TEAM, HOW TO SPEED ALONG YOUR LEARNING BY AVOIDING COMMON BEGINNER TRAPS, AND HOW TO DECIDE WHETHER YOU SHOULD INVEST IN A PROGRAMMING DEGREE OR 'BOOTCAMP.'"

FUNDAMENTALS OF RISK MANAGEMENT - PAUL HOPKIN 2017-01-03

FUNDAMENTALS OF RISK MANAGEMENT, NOW IN ITS FOURTH EDITION, IS A COMPREHENSIVE INTRODUCTION TO COMMERCIAL AND BUSINESS RISK FOR STUDENTS AND A BROAD RANGE OF RISK PROFESSIONALS. PROVIDING EXTENSIVE COVERAGE OF THE CORE FRAMEWORKS OF BUSINESS CONTINUITY PLANNING, ENTERPRISE RISK MANAGEMENT AND PROJECT RISK MANAGEMENT, THIS IS THE DEFINITIVE GUIDE TO DEALING WITH THE DIFFERENT TYPES OF RISK AN ORGANIZATION FACES. WITH RELEVANT INTERNATIONAL CASE EXAMPLES FROM BOTH THE PRIVATE AND PUBLIC SECTORS, THIS REVISED EDITION OF FUNDAMENTALS OF RISK MANAGEMENT IS COMPLETELY ALIGNED TO ISO 31000 AND PROVIDES A FULL ANALYSIS OF CHANGES IN CONTEMPORARY RISK AREAS INCLUDING SUPPLY CHAIN, CYBER RISK, RISK CULTURE AND IMPROVEMENTS IN RISK MANAGEMENT DOCUMENTATION AND STATUTORY RISK REPORTING. THIS NEW EDITION OF FUNDAMENTALS OF RISK MANAGEMENT HAS BEEN FULLY UPDATED TO REFLECT THE DEVELOPMENT OF RISK MANAGEMENT STANDARDS AND PRACTICE, IN PARTICULAR BUSINESS CONTINUITY STANDARDS, REGULATORY DEVELOPMENTS, RISKS TO REPUTATION AND THE BUSINESS MODEL, CHANGES IN ENTERPRISE RISK MANAGEMENT (ERM), LOSS CONTROL AND THE VALUE OF INSURANCE AS A RISK MANAGEMENT METHOD. ALSO INCLUDING A THOROUGH OVERVIEW OF THE INTERNATIONAL RISK MANAGEMENT STANDARDS AND FRAMEWORKS, STRATEGY AND POLICY, THIS BOOK IS THE DEFINITIVE PROFESSIONAL TEXT FOR RISK MANAGERS.

C# DATA STRUCTURES AND ALGORITHMS - MARCIN JAMRO 2018-04-19

A COMPLETE GUIDE ON USING DATA STRUCTURES AND ALGORITHMS TO WRITE SOPHISTICATED C# CODE KEY FEATURES MASTER ARRAY, SET AND MAP WITH TREES AND GRAPHS, AMONG OTHER FUNDAMENTAL DATA STRUCTURES DELVE INTO EFFECTIVE DESIGN AND IMPLEMENTATION TECHNIQUES TO MEET YOUR SOFTWARE REQUIREMENTS EXPLORE ILLUSTRATIONS TO PRESENT DATA STRUCTURES AND ALGORITHMS, AS WELL AS THEIR ANALYSIS IN A CLEAR, VISUAL MANNER. BOOK DESCRIPTION DATA STRUCTURES ALLOW ORGANIZING DATA EFFICIENTLY. THEY ARE CRITICAL TO VARIOUS PROBLEMS AND THEIR SUITABLE IMPLEMENTATION CAN PROVIDE A COMPLETE SOLUTION THAT ACTS LIKE REUSABLE CODE. IN THIS BOOK, YOU WILL LEARN HOW TO USE VARIOUS DATA STRUCTURES WHILE DEVELOPING IN THE C# LANGUAGE AS WELL AS HOW TO IMPLEMENT SOME OF THE MOST COMMON ALGORITHMS USED WITH SUCH DATA STRUCTURES. AT THE BEGINNING, YOU WILL GET TO KNOW ARRAYS, LISTS, DICTIONARIES, AND SETS TOGETHER WITH REAL-WORLD EXAMPLES OF YOUR APPLICATION. THEN, YOU WILL LEARN HOW TO CREATE AND USE STACKS AND QUEUES. IN THE FOLLOWING PART OF THE BOOK, THE MORE COMPLEX DATA STRUCTURES WILL BE INTRODUCED, NAMELY TREES AND GRAPHS, TOGETHER WITH SOME ALGORITHMS FOR SEARCHING THE SHORTEST PATH IN A GRAPH. WE WILL ALSO DISCUSS HOW TO ORGANIZE THE CODE IN A MANAGEABLE, CONSISTENT, AND EXTENDABLE WAY. BY THE END OF THE BOOK, YOU WILL LEARN HOW TO BUILD COMPONENTS THAT ARE EASY TO UNDERSTAND, DEBUG, AND USE IN DIFFERENT APPLICATIONS. WHAT YOU WILL LEARN HOW TO USE ARRAYS AND LISTS TO GET BETTER RESULTS IN COMPLEX SCENARIOS IMPLEMENT ALGORITHMS LIKE THE TOWER OF HANOI ON STACKS OF C# OBJECTS BUILD ENHANCED APPLICATIONS BY USING HASHTABLES, DICTIONARIES AND SETS MAKE A POSITIVE IMPACT ON

EFFICIENCY OF APPLICATIONS WITH TREE TRAVERSAL EFFECTIVELY FIND THE SHORTEST PATH IN THE GRAPH WHO THIS BOOK IS FOR THIS BOOK IS FOR DEVELOPERS WHO WOULD LIKE TO LEARN THE DATA STRUCTURES AND ALGORITHMS IN C#. BASIC C# PROGRAMMING KNOWLEDGE WOULD BE AN ADDED ADVANTAGE.

THE GOOGLE RESUME - GAYLE LAAKMANN McDOWELL 2011-01-25

THE GOOGLE RESUME IS THE ONLY BOOK AVAILABLE ON HOW TO WIN A COVETED SPOT AT GOOGLE, MICROSOFT, APPLE, OR OTHER TOP TECH FIRMS. GAYLE LAAKMANN McDOWELL WORKED IN GOOGLE ENGINEERING FOR THREE YEARS, WHERE SHE SERVED ON THE HIRING COMMITTEE AND INTERVIEWED OVER 120 CANDIDATES. SHE INTERNEED FOR MICROSOFT AND APPLE, AND INTERVIEWED WITH AND RECEIVED OFFERS FROM TEN TECH FIRMS. IF YOU'RE A STUDENT, YOU'LL LEARN WHAT TO STUDY AND HOW TO PREPARE WHILE IN SCHOOL, AS WELL AS WHAT CAREER PATHS TO CONSIDER. IF YOU'RE A JOB SEEKER, YOU'LL GET AN EDGE ON YOUR COMPETITION BY LEARNING ABOUT HIRING PROCEDURES AND MAKING YOURSELF STAND OUT FROM OTHER CANDIDATES. COVERS KEY CONCERNS LIKE WHAT TO MAJOR IN, WHICH EXTRA-CURRICULARS AND OTHER EXPERIENCES LOOK GOOD, HOW TO APPLY, HOW TO DESIGN AND TAILOR YOUR RESUME, HOW TO PREPARE FOR AND EXCEL IN THE INTERVIEW, AND MUCH MORE AUTHOR WAS ON GOOGLE'S HIRING COMMITTEE; INTERNEED AT MICROSOFT AND APPLE; HAS RECEIVED JOB OFFERS FROM MORE THAN 10 TECH FIRMS; AND RUNS CAREERCUP.COM, A SITE DEVOTED TO TECH JOBS GET THE ONLY COMPREHENSIVE GUIDE TO WORKING AT SOME OF AMERICA'S MOST DYNAMIC, INNOVATIVE, AND WELL-PAYING TECH COMPANIES WITH THE GOOGLE RESUME.

JAVASCRIPT DATA STRUCTURES AND ALGORITHMS - SAMMIE BAE 2019-01-23

EXPLORE DATA STRUCTURES AND ALGORITHM CONCEPTS AND THEIR RELATION TO EVERYDAY JAVASCRIPT DEVELOPMENT. A BASIC UNDERSTANDING OF THESE IDEAS IS ESSENTIAL TO ANY JAVASCRIPT DEVELOPER WISHING TO ANALYZE AND BUILD GREAT SOFTWARE SOLUTIONS. YOU'LL DISCOVER HOW TO IMPLEMENT DATA STRUCTURES SUCH AS HASH TABLES, LINKED LISTS, STACKS, QUEUES, TREES, AND GRAPHS. YOU'LL ALSO LEARN HOW A URL SHORTENER, SUCH AS BIT.LY, IS DEVELOPED AND WHAT IS HAPPENING TO THE DATA AS A PDF IS UPLOADED TO A WEBPAGE. THIS BOOK COVERS THE PRACTICAL APPLICATIONS OF DATA STRUCTURES AND ALGORITHMS TO ENCRYPTION, SEARCHING, SORTING, AND PATTERN MATCHING. IT IS CRUCIAL FOR JAVASCRIPT DEVELOPERS TO UNDERSTAND HOW DATA STRUCTURES WORK AND HOW TO DESIGN ALGORITHMS. THIS BOOK AND THE ACCOMPANYING CODE PROVIDE THAT ESSENTIAL FOUNDATION FOR DOING SO. WITH JAVASCRIPT DATA STRUCTURES AND ALGORITHMS YOU CAN START DEVELOPING YOUR KNOWLEDGE AND APPLYING IT TO YOUR JAVASCRIPT PROJECTS TODAY. WHAT YOU'LL LEARN REVIEW CORE DATA STRUCTURE FUNDAMENTALS: ARRAYS, LINKED-LISTS, TREES, HEAPS, GRAPHS, AND HASH-TABLE REVIEW CORE ALGORITHM FUNDAMENTALS: SEARCH, SORT, RECURSION, BREADTH/DEPTH FIRST SEARCH, DYNAMIC PROGRAMMING, BITWISE OPERATORS EXAMINE HOW THE CORE DATA STRUCTURE AND ALGORITHMS KNOWLEDGE FITS INTO CONTEXT OF JAVASCRIPT EXPLAINED USING PROTOTYPICAL INHERITANCE AND NATIVE JAVASCRIPT OBJECTS/DATA TYPES TAKE A HIGH-LEVEL LOOK AT COMMONLY USED DESIGN PATTERNS IN JAVASCRIPT WHO THIS BOOK IS FOR EXISTING WEB DEVELOPERS AND SOFTWARE ENGINEERS SEEKING TO DEVELOP OR REVISIT THEIR FUNDAMENTAL DATA STRUCTURES KNOWLEDGE; BEGINNERS AND STUDENTS STUDYING JAVASCRIPT INDEPENDENTLY OR VIA A COURSE OR CODING BOOTCAMP.

C# .NET - YASHAVANT KANETKAR

THE SYSTEM DESIGN INTERVIEW, 2ND EDITION - LEWIS C. LIN 2021-06-07

THE SYSTEM DESIGN INTERVIEW, BY LEWIS C. LIN AND SHIVAM P. PATEL, IS A COMPREHENSIVE BOOK THAT PROVIDES THE NECESSARY KNOWLEDGE, CONCEPTS, AND SKILLS TO PASS YOUR SYSTEM DESIGN INTERVIEW. IT'S WRITTEN BY INDUSTRY PROFESSIONALS FROM FACEBOOK & GOOGLE. GET THEIR INSIDER PERSPECTIVE ON THE PROVEN, PRACTICAL TECHNIQUES FOR ANSWERING SYSTEM DESIGN QUESTIONS LIKE DESIGN YOUTUBE OR DESIGN A TINYURL SOLUTION. UNLIKE OTHERS, THIS BOOK TEACHES YOU EXACTLY WHAT YOU NEED TO KNOW. FEATURING THE PEDALS METHOD?, THE BEST FRAMEWORK FOR SYSTEM DESIGN QUESTION? THE BOOK REVOLVES AROUND AN EFFECTIVE SIX-STEP PROCESS CALLED PEDALS:- PROCESS REQUIREMENTS- ESTIMATE- DESIGN THE SERVICE- ARTICULATE THE DATA MODEL- LIST THE ARCHITECTURAL COMPONENTS- SCALE PEDALS DEMYSTIFIES THE CONFUSING SYSTEM DESIGN INTERVIEW BY BREAKING IT DOWN INTO MANAGEABLE STEPS. IT'S ALMOST LIKE A RECIPE: EACH STEP ADDS TO THE NEXT. PEDALS HELPS YOU MAKE A CLEAR PROGRESSION THAT STARTS FROM ZERO AND ENDS WITH A FUNCTIONAL, SCALABLE SYSTEM. THE BOOK EXPLAINS HOW YOU CAN USE PEDALS AS A BLUEPRINT FOR ACING THE SYSTEM DESIGN INTERVIEW. THE BOOK ALSO INCLUDES DETAILED EXAMPLES OF HOW YOU CAN USE PEDALS FOR THE MOST POPULAR SYSTEM DESIGN QUESTIONS, INCLUDING:- DESIGN YOUTUBE- DESIGN TWITTER- DESIGN AUTOSUGGEST- DESIGN A TINYURL SOLUTION ALSO COVERED IN THE BOOK- WHAT TO EXPECT AND WHAT INTERVIEWERS LOOK FOR IN AN IDEAL ANSWER- HOW TO ESTIMATE SERVER, STORAGE, AND BANDWIDTH NEEDS- HOW TO DESIGN DATA MODELS AND NAVIGATE DISCUSSIONS AROUND SQL VS. NOSQL- HOW TO DRAW ARCHITECTURE DIAGRAMS- HOW TO BUILD A BASIC CLOUD ARCHITECTURE- HOW TO SCALE A CLOUD ARCHITECTURE FOR MILLIONS OF USERS- LEARN THE BEST SYSTEM STRATEGIES TO REDUCE LATENCY, IMPROVE EFFICIENCY, AND MAINTAIN SECURITY- REVIEW OF TECHNICAL CONCEPTS INCLUDING CAP THEOREM, HADOOP, AND MICROSERVICES

PROGRAMMING INTERVIEWS EXPOSED - JOHN MONGAN 2011-08-10

THE PRESSURE IS ON DURING THE INTERVIEW PROCESS BUT WITH THE RIGHT PREPARATION, YOU CAN WALK AWAY WITH YOUR DREAM JOB. THIS CLASSIC BOOK UNCOVERS WHAT INTERVIEWS ARE REALLY LIKE AT AMERICA'S TOP SOFTWARE AND COMPUTER COMPANIES AND PROVIDES YOU WITH THE TOOLS TO SUCCEED IN ANY SITUATION. THE AUTHORS TAKE YOU STEP-BY-STEP THROUGH NEW PROBLEMS AND COMPLEX BRAINTEASERS THEY WERE ASKED DURING RECENT TECHNICAL INTERVIEWS. 50 INTERVIEW SCENARIOS ARE PRESENTED ALONG WITH IN-DEPTH ANALYSIS OF THE POSSIBLE SOLUTIONS. THE PROBLEM-SOLVING PROCESS IS CLEARLY ILLUSTRATED SO YOU'LL BE ABLE TO EASILY APPLY WHAT YOU'VE LEARNED DURING CRUNCH TIME. YOU'LL ALSO FIND EXPERT TIPS ON WHAT QUESTIONS TO ASK, HOW TO APPROACH A PROBLEM, AND HOW TO RECOVER IF YOU BECOME STUCK. ALL OF THIS WILL HELP YOU ACE THE INTERVIEW AND GET THE JOB YOU WANT. WHAT YOU WILL LEARN FROM THIS BOOK TIPS FOR EFFECTIVELY COMPLETING THE JOB APPLICATION WAYS TO PREPARE FOR THE ENTIRE PROGRAMMING INTERVIEW PROCESS HOW TO FIND THE KIND OF PROGRAMMING

JOB THAT FITS YOU BEST STRATEGIES FOR CHOOSING A SOLUTION AND WHAT YOUR APPROACH SAYS ABOUT YOU HOW TO IMPROVE YOUR INTERVIEWING SKILLS SO THAT YOU CAN RESPOND TO ANY QUESTION OR SITUATION TECHNIQUES FOR SOLVING KNOWLEDGE-BASED PROBLEMS, LOGIC PUZZLES, AND PROGRAMMING PROBLEMS WHO THIS BOOK IS FOR THIS BOOK IS FOR PROGRAMMERS AND DEVELOPERS APPLYING FOR JOBS IN THE SOFTWARE INDUSTRY OR IN IT DEPARTMENTS OF MAJOR CORPORATIONS. Wrox BEGINNING GUIDES ARE CRAFTED TO MAKE LEARNING PROGRAMMING LANGUAGES AND TECHNOLOGIES EASIER THAN YOU THINK, PROVIDING A STRUCTURED, TUTORIAL FORMAT THAT WILL GUIDE YOU THROUGH ALL THE TECHNIQUES INVOLVED.

SYSTEM DESIGN INTERVIEW - AN INSIDER'S GUIDE - Alex Xu 2020-06-12

THE SYSTEM DESIGN INTERVIEW IS CONSIDERED TO BE THE MOST COMPLEX AND MOST DIFFICULT TECHNICAL JOB INTERVIEW BY MANY. THOSE QUESTIONS ARE INTIMIDATING, BUT DON'T WORRY. IT'S JUST THAT NOBODY HAS TAKEN THE TIME TO PREPARE YOU SYSTEMATICALLY. WE TAKE THE TIME. WE GO SLOW. WE DRAW LOTS OF DIAGRAMS AND USE LOTS OF EXAMPLES. YOU'LL LEARN STEP-BY-STEP, ONE QUESTION AT A TIME. DON'T MISS OUT. WHAT'S INSIDE? - AN INSIDER'S TAKE ON WHAT INTERVIEWERS REALLY LOOK FOR AND WHY. - A 4-STEP FRAMEWORK FOR SOLVING ANY SYSTEM DESIGN INTERVIEW QUESTION. - 16 REAL SYSTEM DESIGN INTERVIEW QUESTIONS WITH DETAILED SOLUTIONS. - 188 DIAGRAMS TO VISUALLY EXPLAIN HOW DIFFERENT SYSTEMS WORK.

DATA STRUCTURES AND ALGORITHMS IN JAVA - Michael T. Goodrich 2014-01-28

THE DESIGN AND ANALYSIS OF EFFICIENT DATA STRUCTURES HAS LONG BEEN RECOGNIZED AS A KEY COMPONENT OF THE COMPUTER SCIENCE CURRICULUM. GOODRICH, TOMASSIA AND GOLDWASSER'S APPROACH TO THIS CLASSIC TOPIC IS BASED ON THE OBJECT-ORIENTED PARADIGM AS THE FRAMEWORK OF CHOICE FOR THE DESIGN OF DATA STRUCTURES. FOR EACH ADT PRESENTED IN THE TEXT, THE AUTHORS PROVIDE AN ASSOCIATED JAVA INTERFACE. CONCRETE DATA STRUCTURES REALIZING THE ADTs ARE PROVIDED AS JAVA CLASSES IMPLEMENTING THE INTERFACES. THE JAVA CODE IMPLEMENTING FUNDAMENTAL DATA STRUCTURES IN THIS BOOK IS ORGANIZED IN A SINGLE JAVA PACKAGE, NET.DATASTRUCTURES. THIS PACKAGE FORMS A COHERENT LIBRARY OF DATA STRUCTURES AND ALGORITHMS IN JAVA SPECIFICALLY DESIGNED FOR EDUCATIONAL PURPOSES IN A WAY THAT IS COMPLIMENTARY WITH THE JAVA COLLECTIONS FRAMEWORK.

ELEMENTS OF PROGRAMMING INTERVIEWS - Adnan Aziz 2012-10-11

THE CORE OF EPI IS A COLLECTION OF OVER 300 PROBLEMS WITH DETAILED SOLUTIONS, INCLUDING 100 FIGURES, 250 TESTED PROGRAMS, AND 150 VARIANTS. THE PROBLEMS ARE REPRESENTATIVE OF QUESTIONS ASKED AT THE LEADING SOFTWARE COMPANIES. THE BOOK BEGINS WITH A SUMMARY OF THE NONTECHNICAL ASPECTS OF INTERVIEWING, SUCH AS COMMON MISTAKES, STRATEGIES FOR A GREAT INTERVIEW, PERSPECTIVES FROM THE OTHER SIDE OF THE TABLE, TIPS ON NEGOTIATING THE BEST OFFER, AND A GUIDE TO THE BEST WAYS TO USE EPI. THE TECHNICAL CORE OF EPI IS A SEQUENCE OF CHAPTERS ON BASIC AND ADVANCED DATA STRUCTURES, SEARCHING, SORTING, BROAD ALGORITHMIC PRINCIPLES, CONCURRENCY, AND SYSTEM DESIGN. EACH CHAPTER CONSISTS OF A BRIEF REVIEW, FOLLOWED BY A BROAD AND THOUGHT-PROVOKING SERIES OF PROBLEMS. WE INCLUDE A SUMMARY OF DATA STRUCTURE, ALGORITHM, AND PROBLEM SOLVING PATTERNS.

DAILY CODING PROBLEM - Alex Miller 2019-01-31

DAILY CODING PROBLEM CONTAINS A WIDE VARIETY OF QUESTIONS INSPIRED BY REAL

PROGRAMMING INTERVIEWS, WITH IN-DEPTH SOLUTIONS THAT CLEARLY TAKE YOU THROUGH EACH CORE CONCEPT. YOU'LL LEARN ABOUT: * LINKED LISTS * ARRAYS * HEAPS * TREES * GRAPHS * RANDOMIZED ALGORITHMS * BACKTRACKING * DYNAMIC PROGRAMMING * STACKS AND QUEUES * BIT MANIPULATION * SYSTEM DESIGN

- Harry He 2013-01-31

THIS BOOK IS ABOUT CODING INTERVIEW QUESTIONS FROM SOFTWARE AND INTERNET COMPANIES. IT COVERS FIVE KEY FACTORS WHICH DETERMINE PERFORMANCE OF CANDIDATES: (1) THE BASICS OF PROGRAMMING LANGUAGES, DATA STRUCTURES AND ALGORITHMS, (2) APPROACHES TO WRITING CODE WITH HIGH QUALITY, (3) TIPS TO SOLVE DIFFICULT PROBLEMS, (4) METHODS TO OPTIMIZE CODE, (5) SOFT SKILLS REQUIRED IN INTERVIEWS. THE BASICS OF LANGUAGES, ALGORITHMS AND DATA STRUCTURES ARE DISCUSSED AS WELL AS QUESTIONS THAT EXPLORE HOW TO WRITE ROBUST SOLUTIONS AFTER BREAKING DOWN PROBLEMS INTO MANAGEABLE PIECES. IT ALSO INCLUDES EXAMPLES TO FOCUS ON MODELING AND CREATIVE PROBLEM SOLVING. INTERVIEW QUESTIONS FROM THE MOST POPULAR COMPANIES IN THE IT INDUSTRY ARE TAKEN AS EXAMPLES TO ILLUSTRATE THE FIVE FACTORS ABOVE. BESIDES SOLUTIONS, IT CONTAINS DETAILED ANALYSIS, HOW INTERVIEWERS EVALUATE SOLUTIONS, AS WELL AS WHY THEY LIKE OR DISLIKE THEM. THE AUTHOR MAKES CLEVER USE OF THE FACT THAT INTERVIEWEES WILL HAVE LIMITED TIME TO PROGRAM MEANINGFUL SOLUTIONS WHICH IN TURN, LIMITS THE OPTIONS AN INTERVIEWER HAS. SO THE AUTHOR COVERS THOSE BASES. READERS WILL IMPROVE THEIR INTERVIEW PERFORMANCE AFTER READING THIS BOOK. IT WILL BE BENEFICIAL FOR THEM EVEN AFTER THEY GET OFFERS, BECAUSE ITS TOPICS, SUCH AS APPROACHES TO ANALYZING DIFFICULT PROBLEMS, WRITING ROBUST CODE AND OPTIMIZING, ARE ALL ESSENTIAL FOR HIGH-PERFORMING CODERS.

JAVA PROGRAMMING INTERVIEWS EXPOSED - Noel Markham 2014-01-30

IF YOU ARE A SKILLED JAVA PROGRAMMER BUT ARE CONCERNED ABOUT THE JAVA CODING INTERVIEW PROCESS, THIS REAL-WORLD GUIDE CAN HELP YOU LAND YOUR NEXT POSITION. JAVA IS A POPULAR AND POWERFUL LANGUAGE THAT IS A VIRTUAL REQUIREMENT FOR BUSINESSES MAKING USE OF IT IN THEIR DAILY OPERATIONS. FOR JAVA PROGRAMMERS, THIS REALITY OFFERS JOB SECURITY AND A WEALTH OF EMPLOYMENT OPPORTUNITIES. BUT THAT PERFECT JAVA CODING JOB WON'T BE AVAILABLE IF YOU CAN'T ACE THE INTERVIEW. IF YOU ARE A JAVA PROGRAMMER CONCERNED ABOUT INTERVIEWING, JAVA PROGRAMMING INTERVIEWS EXPOSED IS A GREAT RESOURCE TO PREPARE FOR YOUR NEXT OPPORTUNITY. AUTHOR NOEL MARKHAM IS BOTH AN EXPERIENCED JAVA DEVELOPER AND INTERVIEWER, AND HAS LOADED HIS BOOK WITH REAL EXAMPLES FROM INTERVIEWS HE HAS CONDUCTED. REVIEW OVER 150 REAL-WORLD JAVA INTERVIEW QUESTIONS YOU ARE LIKELY TO ENCOUNTER. PREPARE FOR PERSONALITY-BASED INTERVIEWS AS WELL AS HIGHLY TECHNICAL INTERVIEWS. EXPLORE RELATED TOPICS, SUCH AS MIDDLEWARE FRAMEWORKS AND SERVER TECHNOLOGIES. MAKE USE OF CHAPTERS INDIVIDUALLY FOR TOPIC-SPECIFIC HELP. USE THE APPENDIX FOR TIPS ON SCALA AND GROOVY, TWO OTHER LANGUAGES THAT RUN ON JVMs. VETERANS OF THE IT EMPLOYMENT SPACE KNOW THAT INTERVIEWING FOR A JAVA PROGRAMMING POSITION ISN'T AS SIMPLE AS SITTING DOWN AND ANSWERING QUESTIONS. THE TECHNICAL CODING PORTION OF THE INTERVIEW CAN BE AKIN TO A DIFFICULT PUZZLE OR AN INTERROGATION. WITH JAVA PROGRAMMING INTERVIEWS EXPOSED, SKILLED JAVA CODERS CAN PREPARE THEMSELVES FOR THIS DAUNTING PROCESS AND BETTER ARM THEMSELVES WITH THE KNOWLEDGE AND INTERVIEWING SKILLS NECESSARY TO SUCCEED.