

ACCA APPROVED MANUAL J SOFTWARE

ACCA APPROVED MANUAL J SOFTWARE: A COMPREHENSIVE GUIDE

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KEYWORD: ACCA APPROVED MANUAL J SOFTWARE

SUMMARY: THIS REPORT PROVIDES A COMPREHENSIVE OVERVIEW OF SOFTWARE PROGRAMS APPROVED BY THE ACCA (AIR CONDITIONING CONTRACTORS OF AMERICA) FOR MANUAL J LOAD CALCULATIONS. IT EXPLORES THE FEATURES, BENEFITS, AND LIMITATIONS OF DIFFERENT SOFTWARE OPTIONS, ANALYZING THEIR ACCURACY, USER-FRIENDLINESS, AND COMPLIANCE WITH THE LATEST INDUSTRY STANDARDS. THE REPORT EMPHASIZES THE IMPORTANCE OF USING ACCA APPROVED MANUAL J SOFTWARE FOR ACCURATE HVAC SYSTEM DESIGN AND COMPLIANCE WITH BUILDING CODES. IT CONCLUDES THAT WHILE SEVERAL STRONG OPTIONS EXIST, THE CHOICE OF SOFTWARE DEPENDS HEAVILY ON INDIVIDUAL NEEDS AND PROJECT SPECIFICS.

1. INTRODUCTION TO MANUAL J AND ACCA APPROVAL

MANUAL J, OFFICIALLY TITLED RESIDENTIAL LOAD CALCULATION, IS A STANDARDIZED PROCEDURE DEVELOPED BY ACCA FOR CALCULATING THE HEATING AND COOLING LOADS OF RESIDENTIAL BUILDINGS. ACCURATE LOAD CALCULATIONS ARE CRITICAL FOR DESIGNING EFFICIENT AND EFFECTIVE HVAC SYSTEMS. OVERSIZED OR UNDERSIZED SYSTEMS LEAD TO HIGHER ENERGY BILLS, REDUCED COMFORT, AND POTENTIAL EQUIPMENT FAILURE. USING APPROVED ACCA APPROVED MANUAL J SOFTWARE ENSURES COMPLIANCE WITH INDUSTRY BEST PRACTICES AND BUILDING CODES. THE ACCA'S APPROVAL PROCESS GUARANTEES THAT THE SOFTWARE ADHERES TO THE LATEST VERSION OF MANUAL J AND INCORPORATES NECESSARY CALCULATIONS ACCURATELY.

2. WHY CHOOSE ACCA APPROVED MANUAL J SOFTWARE?

CHOOSING ACCA APPROVED MANUAL J SOFTWARE OFFERS SEVERAL KEY ADVANTAGES:

ACCURACY: APPROVED SOFTWARE UNDERGOES RIGOROUS TESTING TO ENSURE ITS CALCULATIONS ALIGN WITH MANUAL J'S METHODOLOGIES, MINIMIZING ERRORS AND PROVIDING RELIABLE RESULTS.

COMPLIANCE: USING APPROVED SOFTWARE DEMONSTRATES COMPLIANCE WITH BUILDING CODES AND INDUSTRY STANDARDS, POTENTIALLY AVOIDING PENALTIES AND ENSURING PROJECT APPROVALS.

EFFICIENCY: AUTOMATED CALCULATIONS SAVE TIME AND EFFORT COMPARED TO MANUAL CALCULATIONS, STREAMLINING THE DESIGN PROCESS.

PROFESSIONALISM: UTILIZING PROFESSIONAL-GRADE SOFTWARE ENHANCES CREDIBILITY AND PROFESSIONALISM, SHOWCASING EXPERTISE TO CLIENTS AND BUILDING INSPECTORS.

UPDATES: REPUTABLE DEVELOPERS REGULARLY UPDATE THEIR ACCA APPROVED MANUAL J SOFTWARE TO REFLECT CHANGES IN MANUAL J AND BUILDING CODES, ENSURING ONGOING ACCURACY AND COMPLIANCE.

3. KEY FEATURES OF ACCA APPROVED MANUAL J SOFTWARE

WHILE SPECIFIC FEATURES VARY ACROSS DIFFERENT SOFTWARE PACKAGES, MOST ACCA APPROVED MANUAL J SOFTWARE APPLICATIONS INCLUDE:

INPUT DATA ENTRY: USER-FRIENDLY INTERFACES FOR ENTERING BUILDING CHARACTERISTICS SUCH AS DIMENSIONS, INSULATION LEVELS, WINDOW TYPES, AND CLIMATE DATA.

AUTOMATED CALCULATIONS: SOFTWARE AUTOMATICALLY PERFORMS COMPLEX CALCULATIONS, INCLUDING HEAT GAIN AND LOSS, VENTILATION LOADS, AND INFILTRATION RATES.

DETAILED REPORTS: SOFTWARE GENERATES COMPREHENSIVE REPORTS OUTLINING LOAD CALCULATIONS, EQUIPMENT SIZING RECOMMENDATIONS, AND OTHER RELEVANT DATA.

EQUIPMENT DATABASES: MANY PROGRAMS INCLUDE DATABASES OF HVAC EQUIPMENT, SIMPLIFYING THE SELECTION PROCESS.

GRAPHICAL REPRESENTATION: SOME SOFTWARE PACKAGES OFFER VISUAL REPRESENTATIONS OF THE BUILDING AND ITS THERMAL PERFORMANCE, AIDING IN UNDERSTANDING THE RESULTS.

INTEGRATION WITH OTHER SOFTWARE: ADVANCED PROGRAMS MAY INTEGRATE WITH OTHER DESIGN SOFTWARE, STREAMLINING THE OVERALL WORKFLOW.

4. COMPARISON OF POPULAR ACCA APPROVED MANUAL J SOFTWARE OPTIONS

SEVERAL SOFTWARE PACKAGES MEET ACCA'S APPROVAL STANDARDS. A DETAILED COMPARISON WOULD REQUIRE A SEPARATE, EXTENSIVE STUDY. HOWEVER, SOME COMMONLY USED OPTIONS INCLUDE (NOTE: SPECIFIC FEATURES AND PRICING CAN CHANGE; ALWAYS CHECK DIRECTLY WITH THE SOFTWARE PROVIDER):

[SOFTWARE A]: KNOWN FOR ITS USER-FRIENDLY INTERFACE AND EXTENSIVE EQUIPMENT DATABASE.

[SOFTWARE B]: OFTEN PRAISED FOR ITS POWERFUL CALCULATION ENGINE AND DETAILED REPORTING CAPABILITIES.

[SOFTWARE C]: MAY OFFER SUPERIOR INTEGRATION WITH OTHER DESIGN SOFTWARE.

THIS SECTION WOULD BE EXPANDED UPON IN A FULL-LENGTH REPORT WITH A DETAILED TABLE COMPARING KEY FEATURES, PRICING, AND USER REVIEWS FOR EACH OF THE LEADING ACCA APPROVED MANUAL J SOFTWARE OPTIONS.

5. CHALLENGES AND CONSIDERATIONS WHEN USING ACCA APPROVED MANUAL J SOFTWARE

WHILE ACCA APPROVED MANUAL J SOFTWARE SIGNIFICANTLY SIMPLIFIES LOAD CALCULATIONS, SEVERAL CHALLENGES REMAIN:

DATA ACCURACY: THE ACCURACY OF THE RESULTS DEPENDS HEAVILY ON THE ACCURACY OF THE INPUT DATA. INACCURATE MEASUREMENTS OR ESTIMATIONS CAN LEAD TO SIGNIFICANT ERRORS.

SOFTWARE LIMITATIONS: NO SOFTWARE IS PERFECT. USERS SHOULD UNDERSTAND THE LIMITATIONS OF THE SPECIFIC SOFTWARE THEY ARE USING AND CONSIDER POTENTIAL SOURCES OF ERROR.

USER EXPERTISE: PROPER INTERPRETATION AND APPLICATION OF THE SOFTWARE'S RESULTS REQUIRE A SOLID UNDERSTANDING OF BUILDING SCIENCE AND HVAC PRINCIPLES. INADEQUATE TRAINING CAN LEAD TO MISINTERPRETATIONS.

STAYING UPDATED: REGULAR UPDATES ARE CRUCIAL TO MAINTAIN COMPLIANCE WITH THE LATEST MANUAL J AND BUILDING CODE REQUIREMENTS.

6. FUTURE TRENDS IN ACCA APPROVED MANUAL J SOFTWARE

FUTURE DEVELOPMENTS IN ACCA APPROVED MANUAL J SOFTWARE ARE LIKELY TO INCLUDE:

IMPROVED USER INTERFACES: MORE INTUITIVE INTERFACES WILL MAKE THE SOFTWARE MORE ACCESSIBLE TO A WIDER RANGE OF USERS.

INTEGRATION WITH BUILDING INFORMATION MODELING (BIM): SEAMLESS INTEGRATION WITH BIM SOFTWARE WILL FURTHER STREAMLINE THE DESIGN PROCESS.

ENHANCED DATA ANALYSIS CAPABILITIES: MORE ADVANCED ANALYSIS TOOLS WILL PROVIDE DEEPER INSIGHTS INTO BUILDING PERFORMANCE.

INCORPORATION OF RENEWABLE ENERGY TECHNOLOGIES: SOFTWARE WILL INCORPORATE CALCULATIONS FOR SYSTEMS INTEGRATING RENEWABLE ENERGY SOURCES, SUCH AS SOLAR THERMAL AND GEOTHERMAL HEAT PUMPS.

7. CONCLUSION

SELECTING AND UTILIZING ACCA APPROVED MANUAL J SOFTWARE IS ESSENTIAL FOR ACCURATE AND EFFICIENT HVAC SYSTEM DESIGN. THE SOFTWARE PROVIDES A SIGNIFICANT ADVANTAGE OVER MANUAL CALCULATIONS BY REDUCING ERRORS, ENSURING COMPLIANCE, AND IMPROVING EFFICIENCY. HOWEVER, USERS MUST UNDERSTAND THE SOFTWARE'S LIMITATIONS, ENSURE DATA ACCURACY, AND MAINTAIN UP-TO-DATE KNOWLEDGE OF MANUAL J AND BUILDING CODES. THE ONGOING EVOLUTION OF THE SOFTWARE PROMISES TO FURTHER ENHANCE ITS CAPABILITIES AND MAKE HVAC DESIGN EVEN MORE EFFICIENT AND EFFECTIVE.

FAQs

1. WHAT IS THE DIFFERENCE BETWEEN MANUAL J AND ACCA APPROVED MANUAL J SOFTWARE? MANUAL J IS THE CALCULATION METHOD; THE SOFTWARE AUTOMATES THOSE CALCULATIONS.
1. IS IT MANDATORY TO USE ACCA APPROVED MANUAL J SOFTWARE? WHILE NOT ALWAYS LEGALLY MANDATED, IT'S HIGHLY RECOMMENDED FOR PROFESSIONAL HVAC DESIGN TO ENSURE ACCURACY AND COMPLIANCE.
1. HOW MUCH DOES ACCA APPROVED MANUAL J SOFTWARE COST? PRICES VARY DEPENDING ON THE SOFTWARE AND ITS FEATURES. CONTACT THE SOFTWARE PROVIDERS FOR CURRENT PRICING.
1. CAN I LEARN HOW TO USE ACCA APPROVED MANUAL J SOFTWARE ONLINE? YES, MANY PROVIDERS OFFER TUTORIALS AND ONLINE TRAINING RESOURCES.
1. WHAT ARE THE MINIMUM SYSTEM REQUIREMENTS FOR ACCA APPROVED MANUAL J SOFTWARE? CHECK THE SOFTWARE PROVIDER'S WEBSITE FOR SPECIFIC REQUIREMENTS.
1. HOW OFTEN IS MANUAL J UPDATED? MANUAL J IS PERIODICALLY UPDATED TO REFLECT ADVANCEMENTS IN BUILDING TECHNOLOGY AND ENERGY CODES. CHECK THE ACCA WEBSITE FOR THE LATEST VERSION.
1. CAN I USE ACCA APPROVED MANUAL J SOFTWARE FOR COMMERCIAL BUILDINGS? NO, MANUAL J IS SPECIFICALLY FOR RESIDENTIAL BUILDINGS. DIFFERENT CALCULATION METHODS EXIST FOR COMMERCIAL PROJECTS.
1. WHAT HAPPENS IF I USE NON-ACCA APPROVED SOFTWARE? YOU RISK INACCURATE CALCULATIONS, POTENTIAL CODE VIOLATIONS, AND REDUCED SYSTEM EFFICIENCY.

1. WHERE CAN I FIND A LIST OF ALL ACCA APPROVED MANUAL J SOFTWARE PROGRAMS? THE ACCA WEBSITE MAY OFFER A DIRECTORY OR LIST OF APPROVED SOFTWARE, BUT CONFIRMING INDIVIDUAL SOFTWARE VERSIONS WITH THE PROVIDER REMAINS IMPORTANT.

RELATED ARTICLES:

1. CHOOSING THE RIGHT ACCA APPROVED MANUAL J SOFTWARE FOR YOUR NEEDS: THIS ARTICLE WILL GUIDE YOU THROUGH THE PROCESS OF SELECTING THE BEST SOFTWARE BASED ON YOUR SPECIFIC REQUIREMENTS AND BUDGET.
1. UNDERSTANDING MANUAL J: A BEGINNER'S GUIDE: THIS ARTICLE PROVIDES A BASIC UNDERSTANDING OF THE PRINCIPLES BEHIND MANUAL J LOAD CALCULATIONS.
1. ADVANCED TECHNIQUES IN MANUAL J LOAD CALCULATIONS: THIS ARTICLE WILL EXPLORE MORE COMPLEX SCENARIOS AND ADVANCED FEATURES IN MANUAL J CALCULATIONS.
1. THE IMPORTANCE OF ACCURATE DATA ENTRY IN MANUAL J SOFTWARE: THIS ARTICLE HIGHLIGHTS THE CRITICAL ROLE OF DATA ACCURACY IN ACHIEVING RELIABLE RESULTS.
1. TROUBLESHOOTING COMMON ERRORS IN ACCA APPROVED MANUAL J SOFTWARE: THIS ARTICLE WILL PROVIDE SOLUTIONS TO COMMON PROBLEMS ENCOUNTERED WHILE USING THE SOFTWARE.
1. INTEGRATING ACCA APPROVED MANUAL J SOFTWARE WITH OTHER DESIGN TOOLS: THIS ARTICLE WILL FOCUS ON HOW TO INTEGRATE THE SOFTWARE WITH BIM AND OTHER DESIGN PROGRAMS.
1. CASE STUDIES: SUCCESSFUL APPLICATIONS OF ACCA APPROVED MANUAL J SOFTWARE: THIS ARTICLE PRESENTS CASE STUDIES DEMONSTRATING THE BENEFITS OF USING THE SOFTWARE IN REAL-WORLD PROJECTS.
1. THE FUTURE OF MANUAL J AND LOAD CALCULATION SOFTWARE: THIS ARTICLE EXPLORES FUTURE TRENDS AND TECHNOLOGIES IMPACTING THE FIELD OF LOAD CALCULATIONS.
1. COMPARING THE ACCURACY OF DIFFERENT ACCA APPROVED MANUAL J SOFTWARE PACKAGES: THIS ARTICLE PRESENTS A COMPREHENSIVE COMPARISON OF SEVERAL LEADING SOFTWARE PROGRAMS, ANALYZING THEIR ACCURACY AND PERFORMANCE.

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lessons learned by design teams, constructors, and owners An overview of local, regional, and international rating systems Guide to Green Building Rating Systems demystifies complex material, making this book an essential reference for building professionals engaged in, or wishing to pursue, sustainable building practices.

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acca approved manual j software: HVAC Inverter Systems: A Comprehensive Guide
Charles Nehme , Purpose of the Book The HVAC industry has seen significant technological advancements over the past few decades, with one of the most transformative being the introduction of inverter technology. This book aims to provide a comprehensive understanding of HVAC inverter systems, catering to both industry professionals and enthusiasts. Whether you are an engineer, technician, student, or a homeowner interested in energy efficiency, this book will guide you through the fundamental principles, practical applications, and future trends of inverter technology in HVAC systems. Why Inverter Technology Matters In a world increasingly concerned with energy consumption and environmental impact, the demand for more efficient and sustainable solutions is growing. Traditional HVAC systems, while effective, are often energy-intensive and less adaptable to varying load demands. Inverter technology addresses these challenges by allowing HVAC systems to operate more efficiently, reducing both energy consumption and operational costs. Understanding this technology is crucial for anyone involved in the design, installation, or maintenance of modern HVAC systems. What You Will Learn This book is designed to take you from the basics to the advanced aspects of HVAC inverter systems. You will begin with an overview of HVAC fundamentals, exploring how these systems work and why they are essential in modern buildings. From there, we delve into the specifics of inverter technology—what it is, how it works, and why it offers superior performance compared to traditional systems. You will gain insights into the key components of an HVAC inverter system, including the inverter compressor, variable speed drives, and control mechanisms. Practical chapters will guide you through installation, commissioning, and maintenance processes, providing step-by-step instructions and best practices to ensure optimal performance. Additionally, the book explores the broader impact of inverter technology on energy efficiency and environmental sustainability. We will examine real-world case studies, showcasing the tangible benefits of inverter systems in various settings, from residential homes to large industrial facilities. Target Audience This book is written for a wide range of readers. HVAC professionals will find in-depth technical content that enhances their understanding and skills in working with inverter systems. Students and educators will appreciate the clear explanations and structured approach, making complex concepts accessible. Homeowners and building managers, interested in improving the energy efficiency of their properties, will discover practical advice and tips for selecting and maintaining inverter-based HVAC systems. Structure of the Book The book is organized into ten chapters, each focusing on a specific aspect of HVAC inverter systems. The early chapters provide foundational knowledge, including an introduction to HVAC systems and the principles of inverter technology. Midway through, we shift focus to practical applications, such as installation, operation, and maintenance. Later chapters explore energy efficiency, environmental impacts, and emerging trends, providing a forward-looking perspective on the future of HVAC systems. Finally, the book

concludes with a set of FAQs, troubleshooting guides, and additional resources to help you further your knowledge. As you journey through this book, you will develop a deep understanding of how inverter technology is revolutionizing HVAC systems, and you will be equipped with the knowledge to apply this technology effectively in various contexts. This introduction sets the stage for a detailed exploration of HVAC inverter systems, providing context, motivation, and a roadmap for the reader.

acca approved manual j software: How to select the proper HVAC equipment to suit your project Charles Nehme, Preface Selecting the proper HVAC (Heating, Ventilation, and Air Conditioning) equipment for your project is crucial for ensuring energy efficiency, comfort, and cost-effectiveness. This preface will provide an overview of key considerations and steps involved in choosing the right HVAC system for your specific needs. Understanding HVAC Systems HVAC systems are integral to maintaining indoor air quality and thermal comfort. They include components for heating, cooling, ventilation, and humidity control. Common types of HVAC systems include: Split Systems: Separate indoor and outdoor units, ideal for individual room control. Packaged Systems: All-in-one units, typically used in commercial applications. Heat Pumps: Efficient for both heating and cooling, suitable for moderate climates. Ductless Mini-Splits: Offer flexibility without ductwork, ideal for retrofits or specific zones. Key Considerations Project Scope and Requirements: Size and Layout: The size and layout of the space influence the type and capacity of the HVAC system needed. Larger or multi-story buildings may require more complex systems. Usage: Determine the primary use of the space (e.g., residential, commercial, industrial) and any specific needs such as server rooms, labs, or manufacturing areas. Climate: Local climate conditions significantly affect HVAC requirements. Hot and humid climates demand efficient cooling and dehumidification, while colder regions prioritize heating. Energy Efficiency: Look for systems with high Seasonal Energy Efficiency Ratio (SEER) and Heating Seasonal Performance Factor (HSPF) ratings. Energy-efficient systems reduce operating costs and environmental impact. Consider systems with variable speed technology for better energy management. Budget: Balance initial investment with long-term operational costs. High-efficiency systems may have higher upfront costs but lower ongoing expenses. Building Codes and Regulations: Ensure compliance with local building codes, standards, and regulations. This includes safety standards, energy efficiency mandates, and environmental regulations. Indoor Air Quality: Choose systems with good filtration and ventilation capabilities to maintain healthy indoor air quality, especially in spaces with high occupancy or specific air quality requirements. System Design and Integration: Proper design and integration with existing building systems (electrical, plumbing, etc.) are crucial for optimal performance. Consider consulting with HVAC professionals or engineers. Future Scalability: Plan for potential future expansions or modifications. Select systems that can be easily upgraded or expanded. Steps to Select the Proper HVAC Equipment Assess the Building Load: Conduct a load calculation to determine heating and cooling requirements. This includes considering insulation, windows, occupancy, and internal heat gains. Evaluate Different HVAC Systems: Compare various systems based on efficiency, capacity, and suitability for the project's specific needs. Consider Technological Features: Look for modern features such as smart thermostats, zoning capabilities, and remote monitoring for enhanced control and efficiency. Consult with Professionals: Engage HVAC contractors, engineers, or consultants to review your plans and provide expert recommendations. Review Manufacturer Warranties and Support: Choose reputable manufacturers that offer robust warranties and reliable customer support. Conclusion Selecting the proper HVAC equipment is a multifaceted process that requires careful consideration of the project's specific requirements, climate, energy efficiency, and budget. By following a systematic approach and leveraging professional expertise, you can ensure that your HVAC system will provide optimal performance, comfort, and cost-efficiency for your project.

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mystery out of designing algorithms, and analyzing their efficacy and efficiency. Expanding on the first edition, the book now serves as the primary textbook of choice for algorithm design courses while maintaining its status as the premier practical reference guide to algorithms for programmers, researchers, and students. The reader-friendly Algorithm Design Manual provides straightforward access to combinatorial algorithms technology, stressing design over analysis. The first part, Techniques, provides accessible instruction on methods for designing and analyzing computer algorithms. The second part, Resources, is intended for browsing and reference, and comprises the catalog of algorithmic resources, implementations and an extensive bibliography. NEW to the second edition:

- Doubles the tutorial material and exercises over the first edition
- Provides full online support for lecturers, and a completely updated and improved website component with lecture slides, audio and video
- Contains a unique catalog identifying the 75 algorithmic problems that arise most often in practice, leading the reader down the right path to solve them
- Includes several NEW war stories relating experiences from real-world applications
- Provides up-to-date links leading to the very best algorithm implementations available in C, C++, and Java

acca approved manual j software: Metaskills Marty Neumeier, 2012-12-20 In a sweeping vision for the future of work, Neumeier shows that the massive problems of the 21st century are largely the consequence of a paradigm shift—a shuddering gear-change from the familiar Industrial Age to the unfamiliar “Robotic Age,” an era of increasing man-machine collaboration. This change is creating the “Robot Curve,” an accelerating waterfall of obsolescence and opportunity that is currently reshuffling the fortunes of workers, companies, and national economies. It demonstrates how the cost and value of a unit of work go down as it moves from creative to skilled to rote, and, finally, to robotic. While the Robot Curve is dangerous to those with brittle or limited skills, it offers unlimited potential to those with metaskills—master skills that enable other skills. Neumeier believes that the metaskills we need in a post-industrial economy are feeling (intuition and empathy), seeing (systems thinking), dreaming (applied imagination), making (design), and learning (autodidactics). These are not the skills we were taught in school. Yet they’re the skills we’ll need to harness the curve. In explaining each of the metaskills, he offers encouragement and concrete advice for mastering their intricacies. At the end of the book he lays out seven changes that education can make to foster these important talents. This is a rich, exciting book for forward-thinking educators, entrepreneurs, designers, artists, scientists, and future leaders in every field. It comes illustrated with clear diagrams and a 16-page color photo essay. Those who enjoy this book may be interested in its slimmer companion, *The 46 Rules of Genius*, also by Marty Neumeier.

Things you’ll learn in *Metaskills*:

- How to stay ahead of the “robot curve”
- How to account for “latency” in your predictions
- The 9 most common traps of systems behavior
- How to distinguish among 4 types of originality
- The 3 key steps in generating innovative solutions
- 6 ways to think like Steve Jobs
- How to recognize the 3 essential qualities of beauty
- 24 aesthetic tools you can apply to any kind of work
- 10 strategies to trigger breakthrough ideas
- Why every team needs an X-shaped person
- How to overcome the 5 forces arrayed against simplicity
- 6 tests for measuring the freshness of a concept
- How to deploy the 5 principles of “unclinging”
- The 10 tests for measuring great work
- How to sell an innovative concept to an organization
- 12 principles for constructing a theory of learning
- How to choose a personal mission for the real world
- The 4 levels of professional achievement
- 7 steps for revolutionizing education

From the back cover Help! A robot ate my job! If you haven't heard this complaint yet, you will. Today's widespread unemployment is not a jobs crisis. It's a talent crisis. Technology is taking every job that doesn't need a high degree of creativity, humanity, or leadership. The solution? Stay on top of the Robot Curve--a constant waterfall of obsolescence and opportunity fed by competition and innovation. Neumeier presents five metaskills--feeling, seeing, dreaming, making, and learning--that will accelerate your success in the Robotic Age.

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