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Technical Writing for
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The psychology

classic—a detailed
study of scientific
theories of human
nature and the possible
ways in which human
behavior can be
predicted and
controlled—from one of
the most influential
behaviorists of the

twentieth century and the author of *Walden Two*. "This is an important book, exceptionally well written, and logically consistent with the basic premise of the unitary nature of science. Many students of society and culture would take violent issue with most of the things that Skinner has to say, but even those who disagree most will find this a stimulating book." —Samuel M. Strong, *The American Journal of Sociology* "This is a remarkable book—remarkable in that it presents a strong, consistent, and all but exhaustive case for a natural science of human behavior...It ought to be...valuable for those whose preferences lie with, as well as those whose preferences stand

against, a behavioristic approach to human activity." —Harry Prosch, *Ethics Writing for Computer Science* McGraw-Hill Companies "Another gem from one of the world's justly celebrated historians specializing in unusual and always fascinating subjects and people." — Booklist (starred review) The revered New York Times bestselling author traces the development of technology from the Industrial Age to the Digital Age to explore the single component crucial to advancement—precision—in a superb history that is both an homage and a warning for our future. The rise of manufacturing could not have happened without an attention to

precision. At the dawn of the Industrial Revolution in eighteenth-century England, standards of measurement were established, giving way to the development of machine tools—machines that make machines. Eventually, the application of precision tools and methods resulted in the creation and mass production of items from guns and glass to mirrors, lenses, and cameras—and eventually gave way to further breakthroughs, including gene splicing, microchips, and the Hadron Collider. Simon Winchester takes us back to origins of the Industrial Age, to England where he introduces the scientific minds that helped usher in

modern production: John Wilkinson, Henry Maudslay, Joseph Bramah, Jesse Ramsden, and Joseph Whitworth. It was Thomas Jefferson who later exported their discoveries to the fledgling United States, setting the nation on its course to become a manufacturing titan. Winchester moves forward through time, to today's cutting-edge developments occurring around the world, from America to Western Europe to Asia. As he introduces the minds and methods that have changed the modern world, Winchester explores fundamental questions. Why is precision important? What are the different tools we use to measure it? Who has invented and perfected

it? Has the pursuit of the ultra-precise in so many facets of human life blinded us to other things of equal value, such as an appreciation for the age-old traditions of craftsmanship, art, and high culture? Are we missing something that reflects the world as it is, rather than the world as we think we would wish it to be? And can the precise and the natural co-exist in society?

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NEW YORK TIMES

BESTSELLER Paul Kennedy, award-winning author of *The Rise and Fall of the Great Powers* and one of today's most renowned historians, now provides a new and unique look at how World War II was won. *Engineers of Victory* is a fascinating nuts-and-bolts account of the strategic factors that led to Allied victory. Kennedy reveals how the leaders' grand strategy was carried out by the ordinary soldiers, scientists, engineers, and businessmen responsible for realizing their commanders' visions of success. In January 1943, FDR and Churchill convened in Casablanca and established the Allied objectives for the war: to defeat the Nazi

blitzkrieg; to control the Atlantic sea lanes and the air over western and central Europe; to take the fight to the European mainland; and to end Japan's imperialism. Astonishingly, a little over a year later, these ambitious goals had nearly all been accomplished. With riveting, tactical detail, *Engineers of Victory* reveals how. Kennedy recounts the inside stories of the invention of the cavity magnetron, a miniature radar "as small as a soup plate," and the Hedgehog, a multi-headed grenade launcher that allowed the Allies to overcome the threat to their convoys crossing the Atlantic; the critical decision by engineers to install a super-charged Rolls-Royce

engine in the P-51 Mustang, creating a fighter plane more powerful than the Luftwaffe's; and the innovative use of pontoon bridges (made from rafts strung together) to help Russian troops cross rivers and elude the Nazi blitzkrieg. He takes readers behind the scenes, unveiling exactly how thousands of individual Allied planes and fighting ships were choreographed to collectively pull off the invasion of Normandy, and illuminating how crew chiefs perfected the high-flying and inaccessible B-29 Superfortress that would drop the atomic bombs on Japan. The story of World War II is often told as a grand narrative, as if it were fought by supermen or

decided by fate. Here Kennedy uncovers the real heroes of the war, highlighting for the first time the creative strategies, tactics, and organizational decisions that made the lofty Allied objectives into a successful reality. In an even more significant way, *Engineers of Victory* has another claim to our attention, for it restores “the middle level of war” to its rightful place in history. Praise for *Engineers of Victory* “Superbly written and carefully documented . . . indispensable reading for anyone who seeks to understand how and why the Allies won.”—The Christian Science Monitor “An important contribution to our understanding of World War II . . . Like

an engineer who pries open a pocket watch to reveal its inner mechanics, [Paul] Kennedy tells how little-known men and women at lower levels helped win the war.”—Michael Beschloss, *The New York Times Book Review* “Histories of World War II tend to concentrate on the leaders and generals at the top who make the big strategic decisions and on the lowly grunts at the bottom. . . . [Engineers of Victory] seeks to fill this gap in the historiography of World War II and does so triumphantly. . . . This book is a fine tribute.”—The Wall Street Journal “[Kennedy] colorfully and convincingly illustrates the ingenuity and persistence of a few

men who made all the difference.”—The Washington Post “This superb book is Kennedy’s best.”—Foreign Affairs *Handbook of Statistical Methods for Engineers and Scientists* "O'Reilly Media, Inc."

The standards for usability and interaction design for Web sites and software are well known. This full-color book, written by designers with a significant contribution to Web-based application design, delivers both a thorough treatment of the subject for many different kinds of applications and a quick reference for designers looking for some fast design solutions.

How to Invent and Protect Your Invention
Artech House

Very Good, No Highlights or Markup, all pages are intact.
Newnes Electrical Pocket Book
HarperCollins Publishers
Engineering design is a fundamental problem-solving model used by the discipline. Effective problem-solving requires the ability to find and incorporate quality information sources. To teach courses in this area effectively, educators need to understand the information needs of engineers and engineering students and their information gathering habits. This book provides essential guidance for engineering faculty and librarians wishing to better integrate information competencies into their

curricular offerings. The treatment of the subject matter is pragmatic, accessible, and engaging. Rather than focusing on specific resources or interfaces, the book adopts a process-driven approach that outlasts changing information technologies. After several chapters introducing the conceptual underpinnings of the book, a sequence of shorter contributions go into more detail about specific steps in the design process and the information needs for those steps. While they are based on the latest research and theory, the emphasis of the chapters is on usable knowledge. Designed to be accessible, they also include illustrative

examples drawn from specific engineering sub-disciplines to show how the core concepts can be applied in those situations.

Engineers of Victory
ASM International

This concise, easy-to-use reference puts one of the most popular frameworks for deep learning research and development at your fingertips. Author Joe Papa provides instant access to syntax, design patterns, and code examples to accelerate your development and reduce the time you spend searching for answers. Research scientists, machine learning engineers, and software developers will find clear, structured PyTorch code that covers every step of neural network

development--from loading data to customizing training loops to model optimization and GPU/TPU acceleration. Quickly learn how to deploy your code to production using AWS, GCP, or Azure, and your ML models to mobile and edge devices. Learn basic PyTorch syntax and design patterns Create custom models and data transforms Train and deploy models using a GPU and TPU Train and test a deep learning classifier Accelerate training using optimization and distributed training Access useful PyTorch libraries and the PyTorch ecosystem Rocket Girl CRC Press Based on the popular Artech House classic, Digital Communication Systems Engineering

with Software-Defined Radio, this book provides a practical approach to quickly learning the software-defined radio (SDR) concepts needed for work in the field. This up-to-date volume guides readers on how to quickly prototype wireless designs using SDR for real-world testing and experimentation. This book explores advanced wireless communication techniques such as OFDM, LTE, WLA, and hardware targeting. Readers will gain an understanding of the core concepts behind wireless hardware, such as the radio frequency front-end, analog-to-digital and digital-to-analog converters, as well as various processing technologies.

Moreover, this volume includes chapters on timing estimation, matched filtering, frame synchronization message decoding, and source coding. The orthogonal frequency division multiplexing is explained and details about HDL code generation and deployment are provided. The book concludes with coverage of the WLAN toolbox with OFDM beacon reception and the LTE toolbox with downlink reception. Multiple case studies are provided throughout the book. Both MATLAB and Simulink source code are included to assist readers with their projects in the field. Technical Writing Simon and Schuster
MARKETING FOR ENGINEERS,

SCIENTISTS AND TECHNOLOGISTS Dr Tony Curtis covers everything that engineers need to know about marketing and project management. The book has been written in an easy to read style with clear learning outcomes and objectives. In my opinion this should be mandatory reading for all engineers who are involved in the design and marketing of products and services. Dr Naren Gupta, Senior Lecturer and Teaching Fellow, Director of Quality, School of Engineering and the Built Environment, Napier University In working with a range of professionals across many industry sectors one often finds it is the technologists and scientists that gain the

most out of acquiring skills and knowledge in marketing. Not only does their structured and analytical approach lend itself to strategic marketing but those skills, combined with a clear customer focus and an innovative approach to the market, can give them the portfolio of skills required for successful leadership. Deirdre Makepeace, Senior Examiner, CIM To succeed, products and services must satisfy customers' needs and wants. Engineers, scientists and technologists need to understand these needs to develop and deliver better products. This book covers consumer products, services, international and business to business marketing, as well as current issues

such as green and social marketing and the service extended marketing mix. Tony Curtis also discusses the core management skills needed to implement marketing plans, such as leadership, negotiation and consultancy. Finally, he brings all these elements together into three key areas; new product development, market driven quality and marketing plans. Written by a technologist for technologists, this book is essential reading for engineers and scientists taking a module in business studies or marketing at all levels. It also provides a good foundation in marketing strategy for MBA students with a technical or scientific

first degree. Supporting material for lecturers is available at www.wileyurope.com/college/curtis PyTorch Pocket Reference Taylor & Francis
Elon Musk named Our Final Invention one of five books everyone should read about the future—a Huffington Post Definitive Tech Book of 2013. Artificial Intelligence helps choose what books you buy, what movies you see, and even who you date. It puts the “smart” in your smartphone and soon it will drive your car. It makes most of the trades on Wall Street, and controls vital energy, water, and transportation infrastructure. But Artificial Intelligence can also threaten our existence. In as little as

a decade, AI could match and then surpass human intelligence. Corporations and government agencies are pouring billions into achieving AI’s Holy Grail—human-level intelligence. Once AI has attained it, scientists argue, it will have survival drives much like our own. We may be forced to compete with a rival more cunning, more powerful, and more alien than we can imagine. Through profiles of tech visionaries, industry watchdogs, and groundbreaking AI systems, Our Final Invention explores the perils of the heedless pursuit of advanced AI. Until now, human intelligence has had no rival. Can we coexist with beings whose

intelligence dwarfs our own? And will they allow us to? "If you read just one book that makes you confront scary high-tech realities that we'll soon have no choice but to address, make it this one." —The Washington Post

"Science fiction has long explored the implications of humanlike machines (think of Asimov's *I, Robot*), but Barrat's thoughtful treatment adds a dose of reality." —Science News

"A dark new book . . . lays out a strong case for why we should be at least a little worried." —The New Yorker

Technical Writing

HarperCollins

The focus of this text is to teach engineering students the skill of technical writing. It uses practical outlines

throughout, and actually shows students how to produce the most common technical documents step-by-step.

Pocket Book of Technical Writing for Engineers and Scientists Routledge

"This compendium of essential formulae, definitions, tables and general information provides the mathematical information required by students, technicians, scientists and engineers in day-to-day engineering practice. All the essentials of engineering mathematics - from algebra, geometry and trigonometry to logic circuits, differential equations and probability - are covered, with clear and

succinct explanations and illustrated with over 300 line drawings and 500 worked examples based in real-world application. The emphasis throughout the book is on providing the practical tools needed to solve mathematical problems quickly and efficiently in engineering contexts." --Publisher.

How to Become a Technical Writer

McGraw-Hill Science, Engineering & Mathematics

"The purpose of this book is to provide engineering and science students with straightforward, practical solutions that will be easy and painless to use for meeting a wide range of technical writing challenges, whether in the classroom or the

workplace"--
Science And Human Behavior Artech House
On Writing Well, which grew out of a course that William Zinsser taught at Yale, has been praised for its sound advice, its clarity, and for the warmth of its style. It is a book for anybody who wants to learn how to write or who needs to do some writing to get through the day, as almost everybody does. Whether you want to write about people or places, science and technology, business, sports, the arts, or about yourself in the increasingly popular memoir genre, *On Writing Well* offers you both fundamental principles as well as the insights of a distinguished practitioner. How to

Write a Memoir tells you how to write the story of your life.

Everyone has a story - whether you're a professional writer or just want to validate your personal and family reminiscences, William Zinsser explains how to do it, and do it well.

Science in Action

Pearson Education

Annotation An engineer with experience in the automotive and chemical process industries, Budinski has compiled material he used to train new engineers and technicians in an attempt to get his co-workers to document their work in a reasonable manner. He does not focus on the mechanics of the English language, but on the types of documents that an

average technical person will encounter in business, government, or industry. He also thinks that students with no technical background should be able to benefit from the tutorial. c. Book News Inc

On Writing Well

Macmillan

When you have questions about C# 10 or .NET 6, this best-selling guide has the answers you need. C# is a language of unusual flexibility and breadth, and with its continual growth, there's always so much more to learn. In the tradition of O'Reilly's Nutshell guides, this thoroughly updated edition is simply the best one-volume reference to the C# language available today. Organized

around concepts and use cases, this comprehensive and complete reference provides intermediate and advanced programmers with a concise map of C# and .NET that also plumbs significant depths. Get up to speed on C#, from syntax and variables to advanced topics such as pointers, closures, and patterns Dig deep into LINQ, with three chapters dedicated to the topic Explore concurrency and asynchrony, advanced threading, and parallel programming Work with .NET features, including regular expressions, networking, assemblies, spans, reflection, and cryptography

Web Application Design Handbook

Routledge
If you can write clear, concise instructions, then you can be a technical writer. Learn, step-by-step, how to turn your creative writing talent into a highly lucrative career, where you get paid big money consistently to use your writing skills.

A Guide to Writing as an Engineer Wiley
"The purpose of this book is to provide engineering and science students with straightforward, practical solutions that will be easy and painless to use for meeting a wide range of technical writing challenges, whether in the classroom or the workplace"--
Technical Writing for Engineers & Scientists
Springer Science & Business Media
Combining personal

history with dramatic historical events, this extraordinary true story of America's first female rocket scientist

shows how her talent for chemistry proved essential for America's early space program.

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