PROFESSIONAL AUTOMATED TRADING: THEORY AND PRACTICE BY EUGENE A. DURENARD
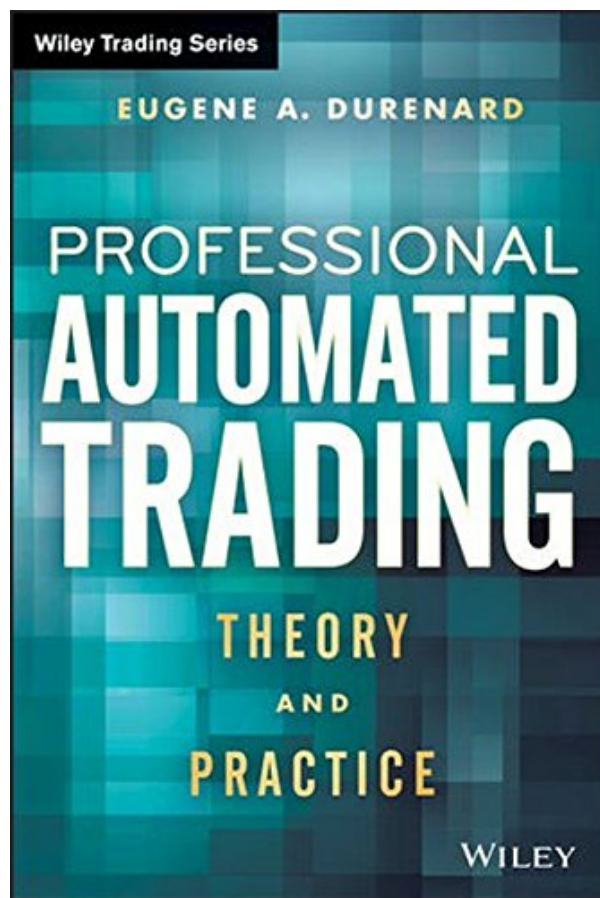

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Professional Automated Trading: Theory And Practice By Eugene A. Durenard. Modification your routine to put up or lose the time to just talk with your good friends. It is done by your everyday, don't you feel bored? Now, we will certainly show you the extra routine that, really it's a very old habit to do that could make your life a lot more qualified. When really feeling bored of consistently talking with your pals all leisure time, you can locate the book qualify Professional Automated Trading: Theory And Practice By Eugene A. Durenard then review it.

From the Inside Flap

Trading is a science based on a variety of fields, from mathematics to physics. It is also an art based on knowing and respecting the markets and, equally important, knowing oneself. But most of all, trading is a business that hinges on a carefully understood discipline and process of seeking reward in the face of risk.

No one is more familiar with this than author Eugene Durenard. A recognized expert in automated trading – who has long incorporated aspects of artificial life and robotics systems research into his trading – he knows what it takes to create systematic trading strategies that are adaptive and opportunistic. Now, with this new book, he shares those valuable insights with you. Whether you're part of a professional prop trading desk or an ambitious individual trader, this practical guide will put you in a better position to successfully navigate today's competitive markets.

Divided into four comprehensive parts, Professional Automated Trading: Theory and Practice opens with an introductory chapter that sets the stage for modern systematic trading. It critically examines the merits of systematic trading from a philosophical and psychological perspective, as well as focuses on it as a business activity.
With this information in hand, Durenard moves on to skillfully cover the theory, practice, and technologies needed to excel at this endeavor.

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Engaging and accessible, Professional Automated Trading contains the information you need to make the most of automated trading in free markets.

From the Back Cover

"Professional Automated Trading is a unique insight into the highly secretive world of automated trading. Eugene Durenard is uniquely qualified as its author – he not only has the direct experience of cutting-edge technology and the highly technical expertise to push it to its limits, but he also has a unique gift for communicating highly complex ideas in a manner that even a layman can easily understand. All of the techniques actively used in the field are discussed in detail in this book – even highly experienced automated traders will benefit from Eugene's insights. I don't think there is a more comprehensive guide available than this – is covers all aspects of automated trading, from database construction to management of a quantitative hedge fund. Many of the topics covered here are 'inside secrets' that practitioners rarely reveal."

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PROFESSIONAL AUTOMATED TRADING: THEORY AND PRACTICE BY EUGENE A. DURENARD PDF

An insider's view of how to develop and operate an automated proprietary trading network

Reflecting author Eugene Durenard's extensive experience in this field, Professional Automated Trading offers valuable insights you won't find anywhere else. It reveals how a series of concepts and techniques coming from current research in artificial life and modern control theory can be applied to the design of effective trading systems that outperform the majority of published trading systems. It also skillfully provides you with essential information on the practical coding and implementation of a scalable systematic trading architecture.

Based on years of practical experience in building successful research and infrastructure processes for purpose of trading at several frequencies, this book is designed to be a comprehensive guide for understanding the theory of design and the practice of implementation of an automated systematic trading process at an institutional scale.

- Discusses several classical strategies and covers the design of efficient simulation engines for back and forward testing
- Provides insights on effectively implementing a series of distributed processes that should form the core of a robust and fault-tolerant automated systematic trading architecture
- Addresses trade execution optimization by studying market-pressure models and minimization of costs via applications of execution algorithms
- Introduces a series of novel concepts from artificial life and modern control theory that enhance robustness of the systematic decision making—focusing on various aspects of adaptation and dynamic optimal model choice

Engaging and informative, Proprietary Automated Trading covers the most important aspects of this endeavor and will put you in a better position to excel at it.

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Most helpful customer reviews

6 of 6 people found the following review helpful.
Proprietary Automated Trading
By Julian Cook
I think in time this book will come to be seen as kind of a revelation, with some Rosetta Stone thrown in (the LISP part). Enough people have complained about the lisp examples, so I will skip those.
I actually started at the back, because I needed to see how he designed the automated risk sub-system. The fact that substantial attention is devoted to this, should tell you how complete the book is. The entire book is a pretty comprehensive survey of how to build an automated prop trading operation. It's odd that the title says 'professional' whilst the original Wiley description repeatedly refers to the book as 'Proprietary Automated Trading'. This was probably the original title and would have been more appropriate when you see the content.
It's not a book about setting up an HF or automated market-making operation, though some of the strategies discussed could be used at the tick level. The reason is that a large chunk of the book discusses the methodology for measuring performance and optimizing the mix of which strategies are deployed at any one time. This is the real genius (or thought provoking part) of the book. I would previously have assumed that I wanted my mean reversion strategy to be as sophisticated as possible to best predict the range or maybe when to duck for cover. Additionally you might want to couple it with some clever market regime detection. Durenard does none of that. He runs [effectively paper trades] many strategies with many parameters simultaneously and switches them in and out of real trading based on their 'fitness'. He also optimizes the entire portfolio of strategies. All this is done continuously intra-day. Technically regime detection is done, but it is done by analyzing the performance of the strategies rather than analyzing the market.
Because you need a large amount of infrastructure to achieve all this, it is not really applicable at the CTA or Metatrader level, but it is quite rare for someone to layout a design of how an entire operation should work. For that I would have to award 5 stars, LISP or no LISP.

8 of 9 people found the following review helpful.
Idiosyncratic
By Dimitri Shvorob
As long as the manuscript title includes a "hot" finance concept, Wiley Finance will publish anything by anyone - and invest not a yota of effort into shaping and editing the product. In this case, the publishers were fortunate to enlist a knowledgeable specialist and a good writer. The outcome is an intelligent but under-edited, meandering book that likes mathematical formalism and diagrams, but does not break new ground and promises more than it delivers. ("Swarm strategies"? This sounds like a reference to particle-swarm optimization, but the key element of interaction between particles is missing. Reinforcement learning? Only name-checked. Adaptive strategies? Varying parameters in a particular way based on iterative backtest runs is not about adaptation at all). I doubt that this book is going to teach an "insider", but, despite the much-

complained-about LISP, it may please budding stock-trading-bot builders. One suggestion for the latter - "Automated exchange betting" by Colin Magee.

2 of 2 people found the following review helpful.
more useful than most of the other books (with these keywords...)
By Ulf Hamster
just compare this book to other books having keywords like "automated trading", "algorithmic trading", "high frequency", etc attached -- over 90% of these books are only about blabla....

things i didnt like:
- the introduction chapters (Ok that universal bcoz these chapters are for those who want to read blabla...)
- the author wrote somewhere that C++ is incapable of doing multiple inheritance. Thats wrong.

what i didnt expect
- that the author might unvail some hot strategies
- or anything else that might qualify as trade secret

about the LISP examples:
I dont know LISP (the author seems to be a kind of LISP fanboy :)). But I think everybody with some knowledge of other programming language will understand what the author wanted to say. Of course you can also use UML and pseudocode but then some readers would still complain why the author didnt use their beloved programming language.

things i like about the book
- you can get clue how the software architecture might look like
- the author gives a lot of hints how subsystems can be designed and what is important

See all 9 customer reviews...

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Based on the **Professional Automated Trading: Theory And Practice By Eugene A. Durenard** information that we provide, you could not be so confused to be here and to be member. Get now the soft data of this book Professional Automated Trading: Theory And Practice By Eugene A. Durenard and save it to be your own. You saving could lead you to stimulate the ease of you in reading this book Professional Automated Trading: Theory And Practice By Eugene A. Durenard Also this is forms of soft documents. You can really make better opportunity to get this Professional Automated Trading: Theory And Practice By Eugene A. Durenard as the advised book to read.

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