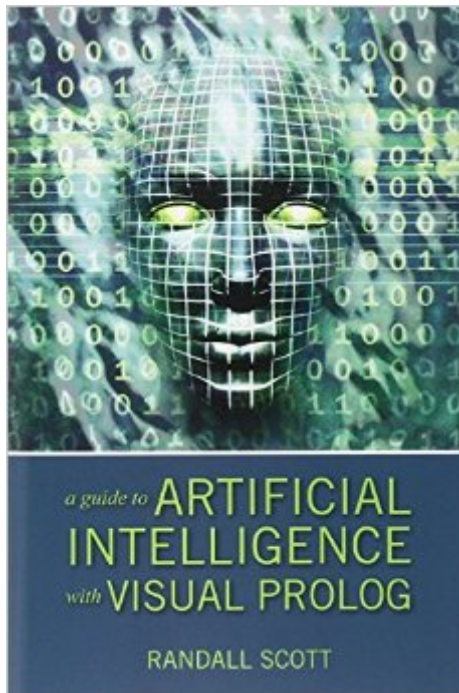


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# A Guide To Artificial Intelligence With Visual PROLOG



## Synopsis

Get started with the simplest, most powerful prolog ever: Visual Prolog If you want to explore the potential of Artificial Intelligence (AI), you need to know your way around Prolog. Prolog - which stands for "programming with logic" - is one of the most effective languages for building AI applications, thanks to its unique approach. Rather than writing a program that spells out exactly how to solve a problem, with Prolog you define a problem with logical Rules, and then set the computer loose on it. This paradigm shift from Procedural to Declarative programming makes Prolog ideal for applications involving AI, logic, language parsing, computational linguistics, and theorem-proving. Now, Visual Prolog (available as a free download) offers even more with its powerful Graphical User Interface (GUI), built-in Predicates, and rather large provided Program Foundation Class (PFC) libraries. A Guide to Artificial Intelligence with Visual Prolog is an excellent introduction to both Prolog and Visual Prolog. Designed for newcomers to Prolog with some conventional programming background (such as BASIC, C, C++, Pascal, etc.), Randall Scott proceeds along a logical, easy-to-grasp path as he explains the beginnings of Prolog, classic algorithms to get you started, and many of the unique features of Visual Prolog. Readers will also gain key insights into application development, application design, interface construction, troubleshooting, and more. In addition, there are numerous sample examples to learn from, copious illustrations and information on helpful resources. A Guide to Artificial Intelligence with Visual Prolog is less like a traditional textbook and more like a workshop where you can learn at your own pace - so you can start harnessing the power of Visual Prolog for whatever your mind can dream up.

## Book Information

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## Customer Reviews

I own hundreds of books related to computer science or programming in general, I read about one a week on average and I have to admit this is the worst book I have read in a very long time. To start with, the layout is somewhat confusing with poor choices of fonts and orientation (you have to rotate the book to look at screenshots). It defies all convention and best practices with the source code being reproduced with a proportional font so that lines of the same length don't align making it very hard to read. The tone is somewhat patronizing with sentences like "don't do this until I tell you" but more importantly, the entire content of the book is exclusively geared toward explaining one sample program which choice is dubious to say the least: extracting the most frequent, least frequent, etc. numbers from 700 lottery draws. Not only that program could be written in less than 20 lines of code in any procedural language but it has nothing to do with "artificial intelligence" and the supposed strengths of Prolog. PS: next time I will be more careful about buying a book which only has two reviews, one of them being written by the author masquerading as a reader.

A nice little introduction to Visual Prolog, but not "about Artificial Intelligence" in any sense of the that phrase. It would be a worthwhile addition to the library of someone just learning Visual Prolog, but offers little to the intermediate to advanced practitioner of Visual Prolog.

The area of Prolog programming is a highly specialized area of AI and computer science. The Visual Prolog software product is a sophisticated modern implementation of the Prolog paradigm and is highly useful in the development of specialized AI, Expert Systems, Ontological Engineering, and other knowledge dependent domains. I really appreciate the fact that Mr. Scott has written this book as it serves as a readable introduction to the language and has a solid start to finish example. It also has supplemental materials on the Visual Prolog website which are quite useful and illustrative. Several of us at the Naval Postgraduate School computer science department have copies of this book, and all agree that it is an excellent introductory book. As a PhD student and computer scientist/systems engineer of 23 years for the military, I am finding this book helpful in the area of my dissertation which combines AI, software engineering and aeronautics, as Visual prolog is one of the platforms that I am using. I recommend this book for all who are specifically using Visual Prolog or some other form of Prolog. I also recommend it for AI folks who are looking for a

solid programming language to serve as a foundation for their algorithms. Thanks to Mr. Scott for his efforts to write this book, it is quite appreciated here in Monterey!

I want to say how much I appreciated reading the book on Artificial Intelligence using Visual Prolog. After a day of intense reading, I found that the book complements very well the standard publications supported by Visual Prolog, namely the detailed insights on designing a Visual Prolog application. One of my goals is to translate Pro/3 from Visual Prolog 6.3 to Visual Prolog 7.3. I am struggling with the concepts of Vip7.3 but found the example application most revealing into the way an application could be reversed engineered. In short, thank you for a very good reading!

This is a Great Book. Finally something you can read from a reclined position as opposed to having to read with a computer. A very refreshing approach to learning the essence of Prolog, as well as providing a wonderful perspective on Application Design and Development with Visual Prolog. Also, the author provides some very interesting insights to some of the features provided by Visual Prolog in addition to some fascinating algorithm approaches.

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