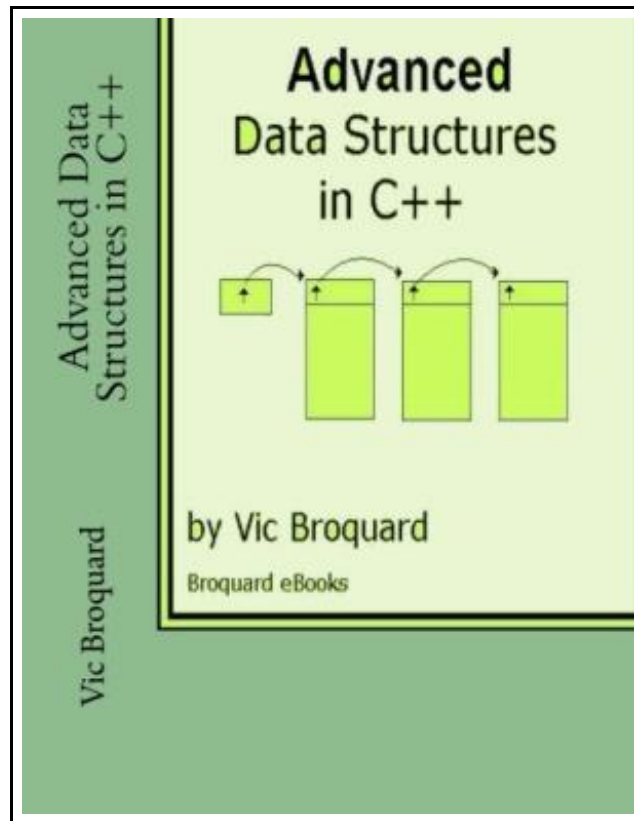# Advanced Data Structures in C++

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Reviews

The book is great and fantastic. It is writter in straightforward words and phrases rather than difficult to understand. You wont really feel monotony at at any time of your respective time (that's what catalogues are for regarding should you question me).
(Payton Miller)

ADVANCED DATA STRUCTURES IN C++

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Broquard eBooks, United States, 2014. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.After a complete review of basic class construction with which you should be familiar, Advanced Data Structures in C++ covers more advanced features of classes. Among these are forward references, class enumerated data types, friend functions, constant data members, static data members, static member functions, reference variables that are data members, methods of inlining functions and how to make a production library. Next, Advanced Data Structures in C++ covers in depth all of the various operator overloaded functions; there are a rather large number of them. Then, the principles of inheritance are fully covered. Virtual functions are presented along with the need for them. Examples clearly illustrate their usage. Abstract base classes and pure virtual functions are presented with a significant example of their usage. Advanced Data Structures in C++ discusses C++ error handling in depth along with dynamic casting and run time type identification. How out of memory errors are caught is discussed in depth, since Microsoft s VC 7 (and subsequent compilers) new function now no longer returns 0 when short of memory. The design of a hierarchy of exception classes is presented showing how an application can fully utilize the C++ error handling mechanism. Also, how to replace the new and delete functions, replacing the terminate and unexpected error handlers is shown. Next, Advanced Data Structures in C++ presents a full review of the four basic container classes, including the growable array, double linked list, stack and queue. C++ programming templates are covered in depth followed by an example of converting the double linked list into a template class. How client programs are written using these template classes is presented next. A thorough discussion...

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