# Introduction to Programming with C++ (2nd Edition)

*By Y. Daniel Liang*



**Introduction to Programming with C++ (2nd Edition)** By Y. Daniel Liang

This solid foundation in the basics of C++ programming will allow readers to create efficient, elegant code ready for any production environment. **KEY TOPICS**: Introduction to Computers, Programs, and C++; Elementary Programming; Selections; Loops; Function Basics; Advanced Function Features; Single-Dimensional Arrays; Multidimensional Arrays; Objects and Classes; Class Design; Pointers and Dynamic Memory Management; Templates and Vectors; File I/O; Operator Overloading; Inheritance and Polymorphism; Exception Handling; Recursion; Algorithm Efficiency; Sorting; Linked Lists, Stacks, and Queues. The following bonus chapters are on the book's Web site: Binary Search Trees; STL Containers; STL Algorithms; Graphs and Applications; Weighted Graphs and Applications; AVL Trees and Splay Trees. **MARKET**: Ideal for beginning programmers.

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About the Author
 **Y. Daniel Liang**  is the author and editor of the Prentice Hall Liang Java Series. His innovative Java texts have been adopted by many universities throughout the world. Dr. Liang is currently a Yamacraw professor of software engineering in the School of Computing at Armstrong Atlantic State University, Savannah, Georgia.

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