



# Professional C++

By Marc Gregoire

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## Professional C++ By Marc Gregoire

### Master complex C++ programming with this helpful, in-depth resource

From game programming to major commercial software applications, C++ is the language of choice. It is also one of the most difficult programming languages to master. While most competing books are geared toward beginners, *Professional C++*, *Third Edition*, shows experienced developers how to master the latest release of C++, explaining little known features with detailed code examples users can plug into their own codes. More advanced language features and programming techniques are presented in this newest edition of the book, whose earlier editions have helped thousands of coders get up to speed with C++. Become familiar with the full capabilities offered by C++, and learn the best ways to design and build applications to solve real-world problems.

*Professional C++*, *Third Edition* has been substantially revised and revamped from previous editions, and fully covers the latest (2014) C++ standard. Discover how to navigate the significant changes to the core language features and syntax, and extensions to the C++ Standard Library and its templates. This practical guide details many poorly understood elements of C++ and highlights pitfalls to avoid.

- Best practices for programming style, testing, and debugging
- Working code that readers can plug into their own apps
- In-depth case studies with working code
- Tips, tricks, and workarounds with an emphasis on good programming style

Move forward with this comprehensive, revamped guide to professional coding with C++.

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### Editorial Review

From the Back Cover

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This book is a practical, code-intensive guide to designing and building C++ applications, fully updated for the C++14 release. The lessons emphasize good programming style, and how to think in C++ to design effective solutions that maximize the language's capabilities. Drill down into the language to understand the more complex elements of the feature set, and learn the tricks and techniques that steer you away from common pitfalls. The new C++14 information is highlighted for quick reference, helping you get up to speed on the major changes that impact application building.

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- Learn by example, working with challenging, real-world program segments available to download
- Study detailed case examples with extensive working code tested on Windows and Linux
- Discover the tips, tricks, and workarounds that lead to good programming style, including best practices for debugging
- Work with C++14's new language features, including function return type deduction, binary literals, generic lambdas, and lambda capture expressions
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### About the Author

**Marc Gregoire** is a software engineer and developer of C/C++ applications for both Windows and Linux. He is a Microsoft Visual C++ MVP, the founder of the Belgian C++ users group, and is currently working on 3D laser scanning software for Nikon Metrology. He previously worked on critical 2G and 3G telecom software for Siemens and Nokia Siemens Networks. Marc maintains a blog at [nuonsoft.com/blog](http://nuonsoft.com/blog).

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