



A C++ Sample Book







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A C++ Sample Book

A Sample Subtitle of the Sample Book

John Lakos Joshua Berne

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This is John's dedication to Josh for being so great and writing this book so well.

JL

This is Josh's dedication to his wife, child, and mother-in-law for being all supportive and wonderful. And to steak. Steak is great.

 ${\rm JMB}$



"booksample-peerson" — 2020/6/4 — 19:53 — page vi
 — #6







Foreword	ix
Preface	xi
Acknowledgements	xiii
About the Authors	xv
Part I Part Number One	1
Chapter 1 Chapter Number One 1.1 A section 1.2 Another section	2 2 2
Chapter 2 Chapter Number Two 2.1 A section 2.2 Another section	3 3 3
Part II Part Number Two	4
Chapter 3 Chapter Number Three 3.1 A section 3.2 Another section	5 5 5
Chapter 4 Chapter Number Four 4.1 A section 4.2 Another section	6 6 6
Bibliography	7
Chapter A Appendixical Stuff	9
Chapter B Didn't My Appendix Get Removed?	10



"booksample-peerson" — 2020/6/4 — 19:53 — page viii — #8









Foreword

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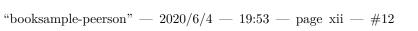


Preface

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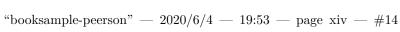


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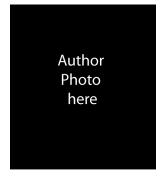






About the Authors

Joshua Berne serves at Bloomberg LP as a senior software engineer on Bloomberg's core library team. After the difficult choice to pursue a career in software engineering over research mathematics, he has been an active programmer in the financial industry, writing day trading applications in C++ for E*TRADE Capital Markets and, after that, architecting large distributed trading systems in Java for Instinet and IDC. Since joining Bloomberg in 2017, he has been an active participant in the C++ Standards Committee, seeking to bring the advancements made within Bloomberg to the C++ Standard and thus to the rest of the world.











Part Number One

This is the description of part number one.





Chapter 1

Chapter Number One

```
This will be chapter one.

This is some code that is typeset inline void foo() {return;}

The header would contain

void foo();

The implementation file would contain

void foo() {

return;

// RETURN
}
```

1.1 A section

Here's a section.

1.2 Another section

Here's another section.

 $\mathbf{2}$





Chapter 2

Chapter Number Two

This will be chapter two. Some WG21 papers that i've written are [1], [2], [3], [4], [5], [6], [7], [8], [9], [10], [11], [12], [13], [14], [15], [16], [17], [18], and [19].

2.1 A section

Here's a section.

2.2 Another section

Here's another section.



Part II

Part Number Two







Chapter 3

Chapter Number Three

This will be chapter three.

3.1 A section

Here's a section.

3.2 Another section

Here's another section.





Chapter 4

Chapter Number Four

This will be chapter four.

4.1 A section

Here's a section.

4.2 Another section

Here's another section.



Bibliography

- [1] Joshua Berne, Nathan Burgers, Hyman Rosen, John Lakos, "Contract checking in c++: A (long-term) road map," Tech. Rep. P1332R0, WG21 The C++ Standards Committee, 2018.
- [2] Joshua Berne, John Lakos, "Assigning concrete semantics to contract-checking levels at compile time," Tech. Rep. P1333R0, WG21 The C++ Standards Committee, 2018.
- [3] Joshua Berne, John Lakos, "Specifying concrete semantics directly in contract-checking statements," Tech. Rep. P1334R0, WG21 The C++ Standards Committee, 2018.
- [4] Joshua Berne, John Lakos, "Contracts that work," Tech. Rep. P1429R0, WG21 The C++ Standards Committee, 2019.
- [5] Joshua Berne, John Lakos, "Contracts that work," Tech. Rep. P1429R1, WG21 The C++ Standards Committee, 2019.
- [6] Joshua Berne, "Requirements for contract roles," Tech. Rep. P1606R0, WG21 The C++ Standards Committee, 2019.
- [7] Joshua Berne, Jeff Snyder, "Minimizing contracts," Tech. Rep. P1607R0, WG21 The C++ Standards Committee, 2019.
- [8] Joshua Berne, John Lakos, "Contracts that work," Tech. Rep. P1429R2, WG21 The C++ Standards Committee, 2019.
- [9] Joshua Berne, Alisdair Meredith, "Side effects of checked contracts and predicate elision," Tech. Rep. P1670R0, WG21 The C++ Standards Committee, 2019.
- [10] Joshua Berne, Alisdair Meredith, "Contract evaluation in constant expressions," Tech. Rep. P1671R0, WG21 - The C++ Standards Committee, 2019.
- [11] Joshua Berne, ""axiom" is a false friend," Tech. Rep. P1672R0, WG21 The C++ Standards Committee, 2019.
- [12] Andrzej Krzemieński, Joshua Berne, "Undefined functions in axiom-level contract statements," Tech. Rep. P1704R0, WG21 The C++ Standards Committee, 2019.
- [13] Joshua Berne, John Lakos, "Contracts that work," Tech. Rep. P1429R3, WG21 The C++ Standards Committee, 2019.
- [14] Joshua Berne, Jeff Snyder, Ryan McDougall, "Minimizing contracts," Tech. Rep. P1607R1, WG21 - The C++ Standards Committee, 2019.

7





[15] Joshua Berne, "An overview of contracts papers for cologne," Tech. Rep. P1807R0, WG21 - The C++ Standards Committee, 2019.

- [16] Joshua Berne, Andrzej Krzemienski, Ryan McDougall, Timur Doumler, Herb Sutter, "Contracts use cases," Tech. Rep. P1995R0, WG21 The C++ Standards Committee, 2019.
- [17] Joshua Berne, Andrzej Krzemienski, Ryan McDougall, Timur Doumler, Herb Sutter, "Contracts use cases," Tech. Rep. P1995R1, WG21 The C++ Standards Committee, 2020.
- [18] Joshua Berne, "Contracts what came before," Tech. Rep. P2032R0, WG21 The C++ Standards Committee, 2020.
- [19] Joshua Berne, Ryan McDougall, Andrzej Krzemieński, "Minimial contract use cases," Tech. Rep. P2114R0, WG21 The C++ Standards Committee, 2020.





Appendix A

Appendixical Stuff







Appendix B

Didn't My Appendix Get Removed?

