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## A C++ Sample Book

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### A Sample Subtitle of the Sample Book

John Lakos Joshua Berne

### **♣**Addison-Wesley

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First printing, MONTH YEAR

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.

 ${\rm JMB}$ 



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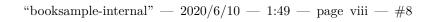




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## Foreword

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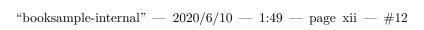


## Preface

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## Acknowledgements

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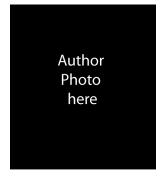






### About the Authors

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 I

# Part Number One

This is the description of part number one.

0.0. Write more about part number one









# 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 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.

3.2. Write more in this section







# Chapter 4

## Chapter Number Four

This will be chapter four.

### 4.1 A section

Here's a section.

### 4.2 Another section

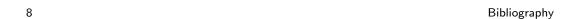
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## Bibliography

- [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.



[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







Didn't My Appendix Get Removed?







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