

# C++ Club UK

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2019-09-19

<https://devblogs.microsoft.com/cppblog/open-sourcing-msvcs-stl/>

[https://www.reddit.com/r/cpp/comments/d58pmg/open\\_sourcing\\_msvcs\\_stl/](https://www.reddit.com/r/cpp/comments/d58pmg/open_sourcing_msvcs_stl/)

<https://github.com/microsoft/STL>

## How long does it take to *really* master C++?

Reddit

*If someone says they have mastered C++ they are lying.  
You don't master C++. Instead C++ masters you.*

# The Surprising Limitations of C++ Ranges Beyond Trivial Cases

## Article

- [Reddit](#)

<https://www.cycfi.com/2019/07/photon-micro-gui/>

- [Reddit](#)

## C++ libraries for data visualization

- VTK <https://vtk.org/>
- ROOT <https://root.cern.ch/>
- matplotlib-cpp <https://github.com/lava/matplotlib-cpp>
  - matplotlib (Python) <https://matplotlib.org/>
- QCustomPlot (QT, GPL/commercial)  
<https://www.qcustomplot.com/>

<http://cppcast.com/2019/07/robert-maynard/>

- [Reddit](#)

<http://dominikberner.ch/cmake-interface-lib/>

- [Reddit](#)

<https://github.com/bernedom/SI>

Professional CMake: A Practical Guide, 4th ed., CMake 3.15

<https://crascit.com/professional-cmake/> \$30



## What happens with header-only libraries?

[https://www.reddit.com/r/cpp/comments/d4uu46/what\\_happens\\_with\\_headeronly\\_libraries/](https://www.reddit.com/r/cpp/comments/d4uu46/what_happens_with_headeronly_libraries/)

*Assuming a reasonably-sized project where certain libraries will be required multiple times in different source files... What happens with all the in-lines and templates that get compiled in? Are there just multiple copies of each? Do modern compilers/linkers trim out the duplicates? Do they leave them in?*

<https://gcc.gnu.org/onlinedocs/gcc-9.1.0/gcc/Template-Instantiation.html>

<https://github.com/yrnkrn/zapcc>

This is a C++17 class library for using the Single Instruction Multiple Data (SIMD) instructions in modern microprocessors.

<https://www.agner.org/optimize/blog/read.php?i=1013>

<https://github.com/vectorclass/version2> (Apache 2.0)

Manual

[https://github.com/vectorclass/manual/blob/master/vcl\\_manual.pdf](https://github.com/vectorclass/manual/blob/master/vcl_manual.pdf)

<https://github.com/aras-p/ClangBuildAnalyzer>

## Twitter: Generic cup



**John McFarlane** @JSAMcFarlane

Accidentally accurate: apparently this mug is "generic".



**Generic** Cup<T> Two-Tone Coffe...

zazzle.com

9h • 12/08/2019 • 14:56



**Remy Goldschmidt** @taktoa1

Electronics is like programming, except if you call a function with arguments of the wrong type, the function is deleted.

1d • 19/08/2019 • 01:38 •

