

C++ Club UK

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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.*

<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

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

- Implementation <https://github.com/kokkos/mdspan> (BSD 3-Clause)
 - Intro <https://github.com/kokkos/mdspan/wiki/A-Gentle-Introduction-to-mdspan>
 - r/cpp https://www.reddit.com/r/cpp/comments/cl127i/mdspan_productionquality_reference_implementation/
- Kokkos <https://github.com/kokkos/kokkos>
- Multi-dimensional strided array views in Magnum <https://blog.magnum.graphics/backstage/multidimensional-strided-array-views/>
- P0009R9 **mdspan**: A Non-Owning Multidimensional Array Reference <http://wg21.link/p0009r9>
- CppCast with Bryce Adelstein Lelbach <https://cppcast.com/bryce-lelbach-mdspan/>

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

Reddit

- PyTorch <https://pytorch.org/features> – has a pure C++ front end <https://pytorch.org/cppdocs/>
- TensorFlow for C++ https://www.tensorflow.org/api_docs/cc
- Shogun <https://www.shogun.ml/>

The sad history of Unicode printf-style format specifiers in Visual C++

<https://devblogs.microsoft.com/oldnewthing/20190830-00/?p=102823>

- [Reddit](#)



Tony Van Eerd @tvaneerd

```
try {  
    return vec.at(index);  
}  
catch (std::out_of_range const &) {  
    return -1;  
}
```

I just saw this in a code review and was going to claim it inefficient, but darn [@CompileExplore](#) proved me wrong again. (IIRAC*) All compilers turn it into an if check on the bounds.

*Read ASM

11h • 11/07/2019 • 22:56



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 •

