C++ Club UK

Gleb Dolgich

2019-07-18

Five Awesome C++ Papers for Cologne ISO Meeting

https://www.bfilipek.com/2019/07/cologne.html

https://www.reddit.com/r/cpp/comments/cdehpc/five_awesome_c_papers_for_cologne_iso_meeting/

The Best Book to Read as a Developer

https://dev.to/taillogs/the-best-book-to-read-as-a-developer-1h4m

https://www.reddit.com/r/programming/comments/c8aaov/the_best_book_to_read_as_a_developer/

- Inside the Machine by Jon Stokes http://joe90.yolasite.com/resources/InsidetheMachine.pdf
- The Pragmatic Programmer
- ”Working Effectively with Legacy Code” by Michael Feathers
- Charles Petzold’s Code https://www.goodreads.com/book/show/44882.Code
- Tao of Programming http://canonical.org/~kragen/tao-of-programming.html
- Game Engine Architecture https://www.amazon.com/Game-Engine-Architecture-Jason-Gregory/dp/1568814135

Clang/LLVM Support for MSBuild Projects

https://devblogs.microsoft.com/cppblog/clang-llvm-support-for-msbuild-projects/

https://www.reddit.com/r/cpp/comments/cc7tp9/clangllvm_support_for_msbuild_projects_c_team_blog/

Explaining Code using ASCII Art

https://blog.regehr.org/archives/1653

https://www.reddit.com/r/programming/comments/cc0oj9/explaining_code_using_ascii_art/

Tools

- http://asciiflow.com/ (Web)
- http://buttersquid.ink/ (Web)
- https://monodraw.helftone.com/ (MacOS)

Draft FAQ: Why does the C++ standard ship every three years?

https://herbsutter.com/2019/07/13/draft-faq-why-does-the-c-standard-ship-every-three-years/

> *There are two basic release target choices: Pick the features, or pick the release time, and whichever you pick means relinquishing control over determining the other. It is not possible to control both at once.*
>
> *C++20 has a lot of major features. Three of the biggest all start with the letters "co" (concepts, contracts, coroutines) so perhaps we could call it co_cpp20.*

https://www.reddit.com/r/cpp/comments/ccqz7t/faq_why_does_the_c_standard_ship_every_three_years/

Execution Pane in Compiler Explorer

https://www.patreon.com/posts/28352557

> *If you're just writing a spot of code and don't want to be distracted by the assembly output, or if you want a little more control over how your code is executed on Compiler Explorer, the Execution pane is for you!*

https://www.reddit.com/r/cpp/comments/ccv6r5/compiler_explorer_now_has_an_execution_only_pane/

C++2a Coroutines and dangling references

https://quuxplusone.github.io/blog/2019/07/10/ways-to-get-dangling-references-with-coroutines/

https://www.reddit.com/r/cpp/comments/cbsbls/c2a_coroutines_and_dangling_references/

Go-like error handling in C++

https://github.com/hellozee/errors

https://www.reddit.com/r/cpp/comments/c7il5n/an_idiots_attempt_to_do_a_go_like_error_handling/

> *It looks like you invented something similar to `std::expected`.*

Splitting a string in C++

https://medium.com/@bkey76/splitting-a-string-in-c-23e2547e6451

- C++ String Toolkit Library (MIT)
  http://www.partow.net/programming/strtk/index.html

Better Ways to Test with **doctest** - the Fastest C++ Unit Testing Framework

https://blog.jetbrains.com/rscpp/better-ways-testing-with-doctest/

C++

C++11

C++14

C++17

C++20