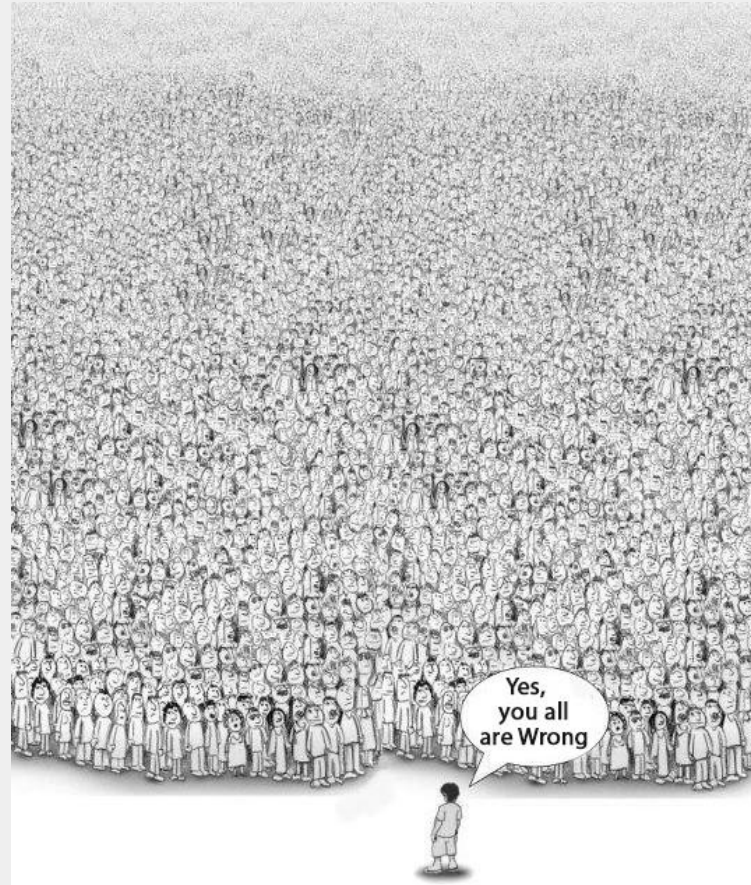


Start teaching C++ (to beginners!)

Meeting C++ 2025
Berlin





It's a Mindset Problem



135

Too many still write a lot of classic C++, despite our best practices and guidelines

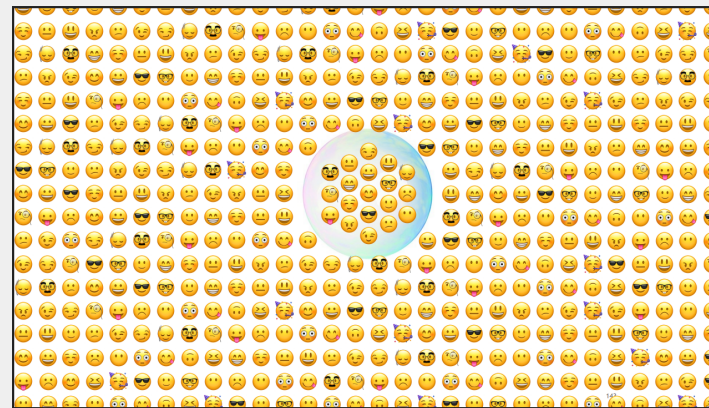


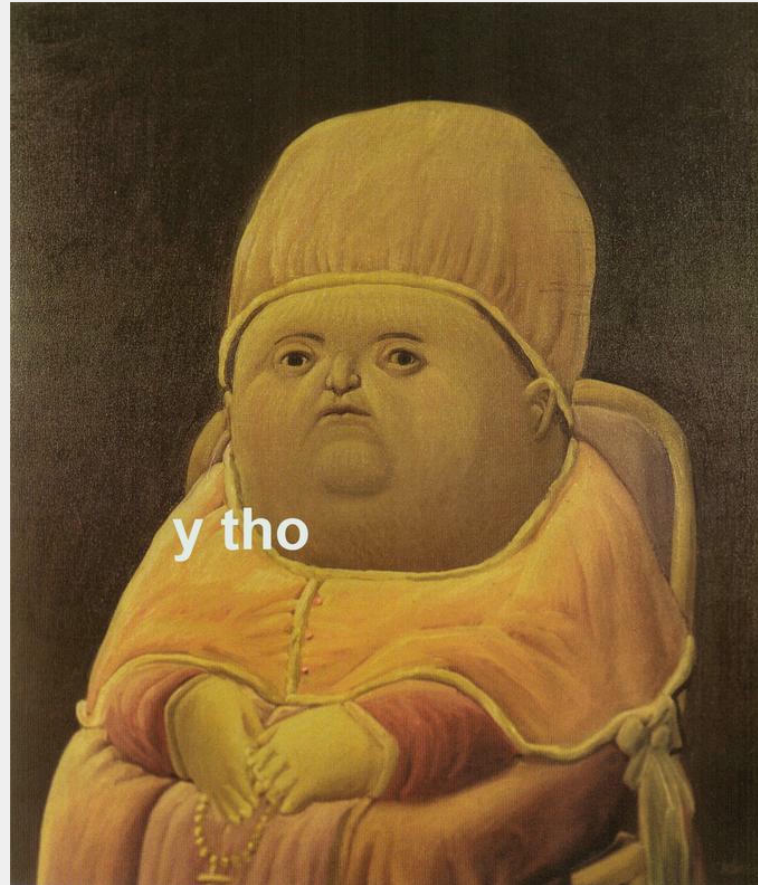
136

Too many don't use the tools that should be an integral part of every C++ project



139





Some People don't know ...
..., but still speak up

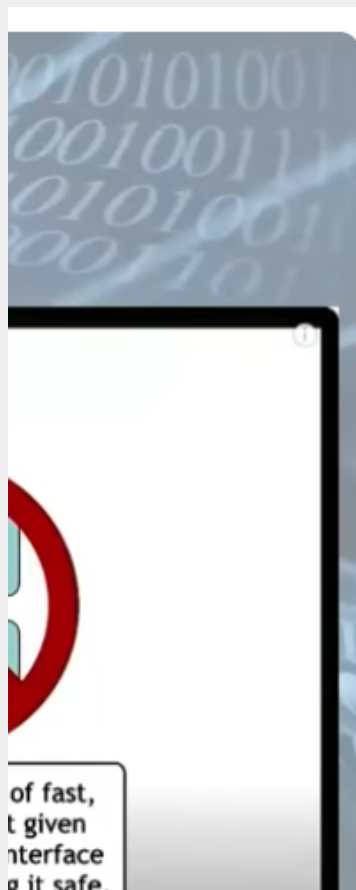


148

Tell people to stand up, to clean up and to
become proud C++ developers that know
about the best practices and use the tools



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All From the series From Using std::cpp >

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1:14:49

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We **do** have a **language** problem

We **do** have a **language** problem

One of **human** language

Stupid or Ignorant?

- Let's banish the word **stupid**

- a lack of intelligence, understanding, reason, or wit, an inability to learn.

<https://en.wikipedia.org/wiki/Stupidity>

- What about **ignorant**?

- a lack of knowledge or understanding

<https://en.wikipedia.org/wiki/Ignorance>

  r/cpp • vor 1 Tag
PressureHumble3604

What do you dislike the most about current C++?

C++26 is close, what it's the one thing you really dislike about the language, std and the ecosystem?

 126 

 418



 Teilen

 Melden

  r/cpp • vor 9 Tagen
selvakumarjawahar

Octoverse 2025 Github survey is out

<https://octoverse.github.com/> 2025 survey is out. I was surprised at couple of things

1. Typescript has over taken python as most used language in github.
2. C++ is in top 5 used language in 80% of the NEW repositories.

Many in the industry discourage use of C++ for new projects, still C++ is in the top 5 languages used in the New repositories in 80% of the repositories in 2025.

My guess is this is mostly because of AI/ML anyone has any other theories why is this..

 43 

 31



 Teilen

 Melden

Nicolai Josuttis

Thank you
and take care



@NicoJosuttis
josuttis.com



Meeting C++ 2018
Closing Keynote
Nicolai Josuttis
50 shades of C++



Feelings

- Students and teachers get angry
 - **Students are allowed to be angry**
 - Challenged assumptions/world views is **frustrating**
 - **Teachers are not allowed to be angry**
 - If someone doesn't understand you, find a different way to explain
- Asking questions needs courage
 - Teachers should **encourage**
- Progress is often non-linear
 - *"I could do this last week, what's wrong with me?"*
 - *"You could do this last week, what's wrong with you?"*

“I think a lot of the criticism of C++ as a language is unfair by emphasizing the worst aspects of the oldest way of using it”

- *Bjarne Stroustrup*

“I think a lot of the criticism of C++ as a language is unfair by emphasizing the worst aspects of the oldest way of using it”

- *Bjarne Stroustrup*

“A lot of people write their talks for the conferences that basically is ‘look at this very complicated advanced stuff’. No, we also have to have a constant emphasis on how to do the basics right”

- *Bjarne Stroustrup*

“There are only two kinds of languages: the ones people complain about and the ones nobody uses.”

- *Bjarne Stroustrup*

“There are only two kinds of languages: the ones people complain about and the ones nobody uses.”

- *Bjarne Stroustrup*

“ [...] there seemed to be two kinds of languages: the ones designed to solve a problem and the ones designed to prove a point.”

- *Dennis Ritchie*

“There are only two kinds of languages: the ones people complain about and the ones nobody uses.”

- *Bjarne Stroustrup*

“ [...] there seemed to be two kinds of languages: the ones designed **to solve a problem** and the ones designed to prove a point.”

- *Dennis Ritchie*

Beginner C++ programmers, when they learn a new language



Be mindful of your messaging!

Be mindful of your messaging!

Start teaching C++ to absolute beginners!