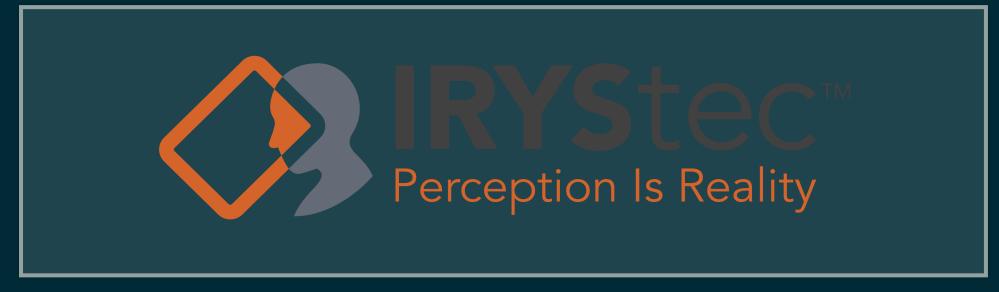
CPPCON 2018 EXPERIENCE

Jean-Simon Lapointe





More than 1250 C++ users.

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- People involved in the standard committee or study groups.

But people ar always welcoming.

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A group of people seems to be leaving for lunch -> They will probably be happy you join.

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- Discord
- github: @include-cpp
- Twitter: @include_cpp

KATE GREGORY: WHAT DO WE MEAN WHEN WE SAY NOTHING AT ALL?

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KATE GREGORY: WHAT DO WE MEAN WHEN WE SAY NOTHING AT ALL?

- Always code as if the guy who ends up maintaining your code will be a violent psychopath who knows where you live?
- You should be writing your code as if your children will be maintaining it.

Not writing const: Will this method modify my object?

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- Not writing const: Will this method modify my object?
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- Not writing noexcept: does it mean it can throw?
- The comments or attributes that are thoroughly used everywhere, affect the meaning of not having them.

Greg Falcon: Initialization, Shutdown, and constexpr

When does Static Storage initialization Happen

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- When does Static Storage initialization Happen
 Matt Godbolt: Bits between the bits: How do we get to main
 - What makes Static Storage Initialization Happen

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Conclusion: Do not rely on non-trivial global variables initializations.

JEFF TRULL: LIBERATING THE DEBUGGING EXPERIENCE WITH THE GDB PYTHON API

With the power of python:

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With the power of python:

- Improve call stack :
 - Shrink long types for readability: ex.: std::string
 - Frame filter: do not show unsignificant frames. ex.:
 std algorithms

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With the power of python:

- Improve call stack :
 - Shrink long types for readability: ex.: std::string
 - Frame filter: do not show unsignificant frames. ex.:
 std algorithms
- Prevent stepping in unwanted function. ex.: std::unique_ptr::get().

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 - Should I think more about malicious use of my software?

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- Phil Nash and Simon Brand: What could possibly go wrong
 - Reporting errors... The monadic way.
- All the lightning talks.

MISSED TALKS



• Hana Dusíková: Compile-Time Regular Expression

BIRDS OF A FEATHER SUMMARY.

RUNNING THE MEETUPS



 Try to make the meetups more about group, discussions, more than just "A talk and a pizza slice".

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 - Have a mock-interview night.

John Kalb maintain a list of local user groups, if speakers travel in your city, they could stop and give a talk.

SPONSORSHIP

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- They could be interested in reaching local C++ devs.



VOLUNTEERS

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VOLUNTEERS

- Try to split responsabilities.
- Try to not micro-manage volunteers.
- Show appreciation to the volunteers, publicly AND privately.

HOW TO CONVINCE YOUR EMPLOYER TO SEND YOU TO CPPCON?



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- Some think that you will be recruited.
- Nothing much to do if the culture is bad.
- Maybe ask that kind of question in interview.

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- Watch online talk videos.

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 - If you can, organize brown bag lunch...

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- List the benefits of sending you. How it would
 - ...make you a better asset
 - ...make the whole team/company more knoledgeable, by sharing what you learnt



HOPE IT WORKS...

If it fails... Retry next year!

THANK YOU!

QUESTION?