Krystian Stasiowski

✉ sdkrystian@gmail.com
🖥 sdkrystian.com
⊕ sdkrystian

Education

2019 - Present	**Bachelor of Computer Science**, *University of Connecticut*, Storrs

Experience

2020 - Present	**Staff Engineer (Part-Time)**, *The C++ Alliance* Document and develop Boost.JSON, develop and maintain Boost.StaticString.
2020 - Present	**The C++ Alliance Representative**, *C++ Standards Committee*
2016 - 2019	**Freelance Developer** Developed plugins and application for various clients in the C# and C++ programming languages. Over 50 projects completed.

C++ Contributions

Boost.StaticString	Co-author and maintainer. A fixed capacity dynamically sized string useful when the capacity is known at compile time.
Boost.JSON	Co-author and maintainer. Implemented, documented, and refined key library features including the DOM string container and value conversion interface, with a focus optimizing the parser and adding new features such as UTF-8 validation and support for non-standard JSON extensions.

C++ Standardization

P1839	**Accessing Object Representations** Author of paper. Accepted by EWG, pending core wording.
P1945	**Making More Objects Contiguous** Author of paper. Pending review.
P1997	**Relaxing Restrictions on Arrays** Author of paper. Pending review.
CWG 2441	**Function parameters should not be inline** Author of report and proposed resolution. Adopted in C++20.
CWG 2430	**Completeness of types in the return type and parameters of a member function** Author of report and proposed resolution. Adopted in C++20.
CWG 2435	**Alias template specializations are not specializations** Author of report. Pending resolution.
	Editorial Issues Over 100 editorial issues submitted that are resolved or pending resolution.