Shyan Yen

1. What is the name of your language?

The name of the language is C++.

2. When/where was it created and by whom? Was it developed to address a particular computing problem or need?

According to <http://www.cplusplus.com/info/history/>, [Bjarne Stroustrup](http://www2.research.att.com/~bs/) created C++ at Bell Labs. The history of C++ itself dates back to 1979, where the language was first worked on as C but later its name changed to C++ in 1983. The goal of Stroustrup was to add object-oriented programming to C.

3. Is it primarily procedural, functional, scripted, object-oriented, or a combination of these? Or something else?

C++ has imperative and object-oriented features according to https://www.educba.com/uses-of-c-plus-plus/.

4. Is it compiled or interpreted, or a combination? Does it use a virtual machine?

C++ is compiled. No virtual machine, it is purely compiled. Source: [courses.washington.edu/css342/zander/css332/arch.html](http://courses.washington.edu/css342/zander/css332/arch.html)

5. What types of applications is your language primarily used for (e.g.: web development, video games, mobile devices, back-end services, operations engineering, etc.). If your language is multi-purpose, provide some examples of different applications it has been used for.

Specifically I chose this language because it is used to create video games which I am heavily interested in and passionate about for my future career. However, C++ is also used for GUIs, web browsers, databases, operating systems, enterprise software, and medical and engineering applications according to https://www.invensis.net/blog/it/applications-of-c-c-plus-plus-in-the-real-world/.

6. Search on Github.com for your language: what are the 3 most popular projects (the ones with the most stars) involving your language?

1. gRPC
2. dmlc/xgboost

### [ocornut/imgui](https://github.com/ocornut/imgui)

7. Where will you get information about this language when it's time to start programming in it?

LearnCpp.com

CPlusPlus.com

Cprogramming.com