



# Diploma of Completion of the C++ Developer Professional Training Course



Platonov Andrei has successfully completed the C++ Developer professional training course as offered by the Yandex School of Data Analysis (540 hours).

Diploma number  
20222ЦПСРР00002

## Full Course Syllabus

1.	Basic syntax constructions	10 hours	Pass	14.	Algorithm complexity analysis	15 hours	Pass
2.	Deep copying, references, constants	10 hours	Pass	15.	Move semantics	15 hours	Pass
3.	Lambda expressions	10 hours	Pass	16.	C++ multithreading	20 hours	Pass
4.	Developer tools: debugger, profiler, development environment, build system, sanitizers	20 hours	Pass	17.	Project. Search engine	30 hours	Pass
5.	Basic types: numbers, strings, pairs, tuples	10 hours	Pass	18.	Namespaces and visibility	20 hours	Pass
6.	Function templates and classes	20 hours	Pass	19.	Inheritance and polymorphism	10 hours	Pass
7.	Object lifetime	10 hours	Pass	20.	Smart pointers	20 hours	Pass
8.	Operator overloading	10 hours	Pass	21.	Idioms and principles of programming	30 hours	Pass
9.	Exceptions. Error handling	20 hours	Pass	22.	C++ memory model. Serialization and placing objects	60 hours	Pass
10.	Containers and hash functions	30 hours	Pass	23.	Project. GPS navigation system	30 hours	Pass
11.	Iterators and algorithms	20 hours	Pass	24.	Undefined behavior	20 hours	Pass
12.	Preprocessor and splitting code into files	20 hours	Pass	25.	Project. Creating C++ vector	30 hours	Pass
13.	Optimization techniques	10 hours	Pass	26.	Graduation project	40 hours	Pass

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