



DANIIL KOVALEV

C/C++ developer



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OVERVIEW

My main language is C++, and I prefer to solve problems that require work on a low level and a maximum performance outcome. As a hobby I am also interested in machine learning, know different methods of building models, their advantages and disadvantages. For ML I mostly use Python, sometimes C++.

I have a great sport programming experience from school with multiple awards in Russian nationwide olympiads. As a result, I know a lot of frequently used algorithms and data structures, including their inner structure.

SKILLS & TECHNOLOGIES

C++: STL / boost / design patterns / multithreading / network / debug (gdb, WinDbg)
Python: matplotlib / numpy / pandas / scikit-learn / scipy

EXPERIENCE

- 2019 – **Intern in Core Drivers Development Team** **Kaspersky Laboratory**
now
- Took part in integration of PVS Studio check to build pipeline, fixing the problems that were found.
 - Developed automation instruments with Python: analyzing dll from Windows distributions, getting information from memory dumps using pykd, translating pdb files to the text format.
 - Developed web-applications for internal team usage with Python + Django.
- Technologies used: C / C++ / Python / WinAPI / WinDbg / pykd

EDUCATION

- 2017 – **Specialist degree in computer security** **Higher School of Economics**
2023 Currently I am a 4th-year student with 1st position in students ranking and «A» grades for all the exams.

ADDITIONAL TRAINING

- 2020 **C++ Developer** **Otus**
This course contains more advanced knowledge for those who are already experienced in C++ and wants to learn about design patterns, boost, parallelizm, asynchronous programming, working with network, etc. Certificate: <http://gg.gg/k2tel>.
- 2019 **The art of programming in modern C++** **Coursera**
I have passed 4 courses from this specialization. Certificates:
- White belt: <http://gg.gg/k2tdg>
 - Red belt: <http://gg.gg/k2te7>
 - Yellow belt: <http://gg.gg/k2tdn>
 - Brown belt: <http://gg.gg/k2tdv>
- 2018 **Introduction to Machine Learning** **Coursera**
Certificate: <http://gg.gg/k2tch>

COMPETITIONS

- 2020 **Prize winner of Telegram contests**
Nick on contest.com platform: Giant Hare.
- 2nd place in VoIP Contest, Round 3: <https://contest.com/voip-contest-3>
 - 4th place in VoIP Contest, Round 2: <https://contest.com/voip-contest-2>
- 2019 **Finalist of FINOdays hackathon**
- 2017 **Finalist of MIEM Start CTF**

LANGUAGES

Russian: native
English: upper intermediate

HOBBIES

I love playing and recording guitar and bass, played in a band as a guitarist.

MISCELLANEOUS

I like open-source software and try to contribute to some projects (pulseaudio, libtgvioip) in my free time.