# Denis Novikov

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## Experience

### KODLAND | Teacher
**November 2020 – August 2021 | Moscow, Russia**

- → Conducting classes with children (11 - 16 years old), and teaching the basics of Python programming language.
- → Successfully released three groups.

### YANDEX: INTENSIVE MOBILE DEVELOPMENT ON FLUTTER
**December 2021 | Sochi, Russia**

- → Learned Dart programming language and the basics of the Flutter framework.
- → Two weeks project in a team of four people.

## Projects

### COVSTATS | Dart, Flutter
2021

- → A cross-platform mobile application written on the Flutter framework to monitor a COVID-19 situation (view statistics around the world or selected countries) with world map, localization and color themes.
- → Four people worked on the project.
- → GitHub: https://github.com/chashkovdaniil/yandex_intenstive

### FILMS | Python, Flask, SQLAlchemy
2021

- → Web-application for searching films and serials, written using Python, Flask and SQLAlchemy.
- → GitHub: https://github.com/nvxden/flask-films/

### RED-BLACK TREE | C++
2020

- → Classical realization of the popular data structure called red-black tree based on the book «Introduction to Algorithms» by Cormen, Leiserson and other.
- → GitHub: https://github.com/nvxden/rbt/

### SERIALIZATION LIBRARY | C++
2020

- → The library allows to serialize automatically all the primitive types and the majority of the standard containers as well as custom types basing on simple macros (both for flat-data structures and objects contains complex hierarchy of other objects, possibly with cyclic references).
- → A special feature of the library is capability to serialize and deserialize different types of shared pointers correctly: std::shared_pointer, std::weak_pointer or usual pointers T*.
- → A serialization can be carried out in any data stream.
- → The library consists of one header file which can be easily included in any project.
- → GitHub: https://github.com/nvxden/cpp-serialization

### ARITHMTRAINER | C++, QT
2020

- → GUI application on the QT framework for training arithmetic operations.

## Skills

### PROGRAMMING

**Proficient:**
C • C++ • Python • JavaScript

**Experienced:**
Java • Dart • PHP • BASH
SQL • VimScript

**Familiar:**
Rust • C# • LaTeX

### LIBRARIES/FRAMEWORKS

Flask • SQLAlchemy • Jinja
Flutter • Node.js • QT • SFML

### TOOLS/PLATFORMS

Linux • Git • VirtualBox
Docker • MySQL

## Education

### MOSCOW POLYTECHNIC UNIVERSITY

Bachelor's degree in Information Technology, specialization «BigData Science»
**September 2019 - Present | Moscow, Russia**

### SCHOOL 21

Programming school
**August 2021 — Present | Moscow, Russia**
**Cum. GPA: 125 / 100**