

# Trofimov Nikita

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## Experience

### C++

- Automatic increase of image contrast using OpenMP
- Analog of `std::vector` with small-object and copy on write optimizations
- Library for working with long arithmetic, including division by  $O(nm)$

### Java

- Numerical expression parser with calculation, using OOP and Generics
- Disassembler of the executable elf file (some groups of commands)
- Simple HTML to Markdown Converter

### Haskell

- A tic-tac-toe game with a graphical interface

### Python

- Assistance to the team in the implementation of telegram bot in the Kochubey Center

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## Skills

**Languages:** C, C++, Java, Python, JavaScript, Haskell, Clojure, Prolog,  $\LaTeX$ , SQL, nasm

**Skills:** OOP, OpenMP, NumPy, Algorithms and data structures

**Tools:** Git, CLion, IntelliJ, Linux, Android Studio, VSCode, PyCharm

**Frameworks:** Spring MVC, Spring Core

**Other:** English, Spanish

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## Education

ITMO University, CT  
Presidential Lyceum 239

2021 - Present

2019 - 2021

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## Olympiads

Winner of the regional stage in computer science

2020 - 2021

Winner of the Olympiad cognitive technologies

2020

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## Certificates

**Coursera:** Machine Learning from Stanford University, [Course](#)

**Stepic:** Introduction to Data Science by Bioinformatics Institute, [Certificate](#)

**ML:** Machine Learning Summer School 2021 from JetBrains and CSC