

NIKOLAY IGNATOV

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EDUCATION

National Research University Higher School of Economics, Sep. 2020 - Feb. 2022
Bachelor of Science in Applied Mathematics and Computer Science Saint-Petersburg, Russia

GPA: 8/10

National Research University of Information Technologies, Mechanics and Optics, Feb. 2022 -
Present time

Bachelor of Science in Applied Mathematics and Computer Science Saint-Petersburg, Russia

Relevant courses:

- **Programming** C++, Algorithms and Data Structures, Unix, Computer Architecture and Operating Systems, Functional Programming (Haskell), Bioinformatics, Formal Languages, Python, Java
- **Math** Calculus, Analysis, Linear Algebra, Group Theory, Graph Theory, Combinatorics, Mathematical Logic

SKILLS

Programming Languages	C++, Python, Haskell, Java, Assembler, C
Technologies and tools	CMake, QT, Doctest, QTest, Git, LaTeX, Bash, jq, libcurl, nlohmann::json
Communication	English (Upper-intermediate), Russian (native)

EXPERIENCE

Backend developer Jun 2021 - present time
Yandex Moscow, Russia

Only have an offer from this company, but haven't worked in it yet

Tutor for 5th - 11th grade students Aug 2020 - present time

Math teacher in Presidential Physics and Mathematics Lyceum No. 239 (responsible for preparing 11th grade students for math Olympiads)

PROJECTS

My Basket → C++, nlohmann::json, QT, Doctest Feb 2021 - Jun 2021

- Developed a desktop application that searches for recipes by product names in the store's database. Using special algorithms, the application allows the client to get the appropriate products from the selected category of the store (basic, economy, vip) with minimal costs
- Implemented a logger for finding errors, unit tests covering all search functions, support for all Unicode languages when searching

Website for a cleaning company → Javascript, PHP, HTML, CSS, jquery Jul 2021 - Aug 2021

- Javascript and CSS were used to create dynamic content on the page
- Implemented a server using PHP with automatic sending of passwords and other client information to the mail

C++ labs (university program) → C, C++, libcurl, Doctest Sep 2020 - Jun 2021

- **Bank Ledger** → Implemented a console application that emulates thread-safe banking transactions
- **Bmp-editor** → Implemented an application, that cuts a rectangle from a Bmp image and rotates this rectangle 90 degrees clockwise. Developed a RAII wrapper over libcurl that allows to download Bmp images from the Internet