

# Igor Ivanov

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## SKILLS

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### Engineering

- **Software Development**
  - C++ (including STL, OOP, threads and QT-framework)
  - C# (including WinForms, graphics engines Monogame and Unity)
  - C
  - Python (including async, PyQt, Flask and unittest)
  - JavaScript (including JQuery, TensorFlowJS and D3)
  - SQL
  - FunC (TON blockchain language)
  - Excellent knowledge of algorithms and data structures
  - Knowledge of design patterns
  - Knowledge of network protocols
  - Git
  - Linux CLI
  - Linux, MacOS and Windows operating systems
- **Data Engineering, Researching and Machine Learning**
  - Python (including TensorFlow, PyTorch, numpy, pandas and matplotlib)
- **Text Processing**
  - LaTeX
  - Markdown
  - Microsoft Office (Word, Excel, PowerPoint)

### General

- **Languages**
  - English – Advanced
  - Russian – Native

## EXPERIENCE

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### Yandex

#### *Software Engineering Intern*

*June 2021 – September 2021*

- Developed, implemented, documented automatic system for testing new versions of searching engine for main page, reducing the instances of bugs when introducing new features in searching engine by 30%
- Interacted with customer relations team and fixed 1-year-old hidden bug in customer relations software, reducing number of customer complaints by 90%
- Implemented collecting data about football matches and showing video highlights on the top of the search page, increasing audience engagement metric by 7%
- Improved news ranking algorithm on the searching page, increasing audience engagement in news by 6%
- Researched and implemented new features for model of searching engine, increasing images and video main metric by 2%
- Added support for new metrics developed by the metrics team to the software for testing new versions of the search engine
- Participated in code reviews with product team, and gained feedback from senior engineers and experience in writing custom, scalable code

- Weekly participated in meetings with the development team, discussed new projects

## **EDUCATION**

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**Higher School of Economics**

***Bachelor in Computer Science***

**GPA: 9.97**

***September 2022 – June 2026***

## **AWARDS AND ACHIEVEMENTS**

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- **Maximum rating on Codeforces: 2520 (Grandmaster)**
- **161th place at Round 3 of Google Code Jam 2022**
- **Silver medalist at International Asia-Pacific Informatics Olympiad 2021**
- **Prize-winner at National Olympiad in Informatics 2021**
- **Bronze medalist at National Team Olympiad in Informatics 2021-2022**
- **Second degree diploma at National Team Olympiad in Informatics 2020-2021**
- **Gold medalist at Moscow Team Olympiad in Informatics 2021-2022**
- **Absolute winner at Artificial Intelligence International Junior Contest 2021**
- **Prize-winner at National Olympiad in Economics 2021**
- **Prize-winner at National Olympiad in Economics 2022**
- **Author of two Rounds on Codeforces**