# ALEXEY YANIN

Saint-Petersburg

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## EXPERIENCE

**Explyt**                                                                           **04 2024 - 06 2025**
*Startup developing an AI-based test generator*                                      *Engineer-assistant*

**Yandex**                                                                           **08 2023 - 11 2023**
*Delivery dynamic pricing group*                                                     *Analyst - trainee*

- improved key quality metrics using A/B tests
- systematized information about factors influencing the price and added new ones

**Huawei Russian Research Institute**                                                **04 2022 - 07 2023**
*Software Engineering and Verification Technology Laboratory*                         *Engineer-assistant*

- implemented a parallel algorithms in C++ on graphs from scratch
- implemented efficient queries to graph databases from scratch

**Olympiad Mathematics Teacher**                                                     **2020 - present**

## EDUCATION

**Saint-Petersburg State University**                                                 **2021 - 2025**
*Bachelor of Math and Computer science*

**Yandex School Data Science**                                                       **2024 - 2026**
*Data Science*

**Physics and mathematical school of Tyumen region**                                 **2015 - 2021**

## PROJECTS

**Self-avoiding wandering**                                                          **05 2021**
*May Project Program in Mathematics and Theoretical Computer Science in 'Sirius'*

**Restaurant dish matcher**                                                          **05 2024**
*Dish names generator and matcher based on vector db and convex optimization*

**Huffman Archiver**                                                                 **05 2023**
*C++ educational project - archiver and unarchiver based on Huffman algorithm*

**Sport management system**                                                          **12 2021**
*Kotlin educational project - system for convenient management of sports competitions with UI*

## SKILLS

**Programming Languages:** C/C++, Python, Kotlin, JS/TS
**Databases:** SQL, ArangoQL, CypherQL
**General:** Linux, Git, LaTeX, DataLens
**Data Science:** numpy, pandas, cvxpy, scikit-learn, pytorch, langchain, transformers, matplotlib
**Languages:** Russian(Native), English(Upper-Intermediate)

## ACHIEVEMENTS

**Final of the All-Russian National Olympiad in Mathematics** - Prize Winner 2021
**Final of the All-Russian Olympiad "Ya-professional" in Mathematics** - Prize Winner 2024
**And many other diplomas** - Diplomas

## EXTRA EDUCATION

**Yandex ML Student Camp** - 2024, 2024
**Summer School "Modern Mathematics"** - 2021
**October Mathematical Education Program in "Sirius"** - 2020 , 2019 , 2018
**September Physics Education Program in "Sirius"** - 2018
**January Scientific School in Mathematics and Programming in "Sirius"** - 2021

## OTHER

**I love and practice all kinds of sports :)**