Boris Starkov

pennyroyaltea.github.io | github.com/pennyroyaltea

Education

Saint-Petersburg State University   2018-2022, St. Petersburg, Russia
Undergraduate at the Department of Mathematics and Computer Science
Excellent marks in **Algorithms & Data Structures**, **Design Patterns**, **C++**, **Kotlin**, **Discrete Math** | GPA: 3.51 / 4

Physical-Technical High School   2014-2018, St. Petersburg, Russia
Honor student
In-depth study of maths, physics, computer science and english
Successfully participated in national school contests in **Competitive Programming** and **Maths**

Illinois Math & Science Academy   2017, Aurora, Illinois, USA
Exchange student
Worked on school projects in a multicultural international team, dramatically improved **communication & collaboration skills**

Experience

Yandex LLC.   2019, Moscow, Russia
C++ Backend developer intern at News team
Refactored existing news delivery algorithm — made it distributed, effective and fault-tolerant, which improved interaction experience for both internal consumers and news websites
Skills improved: **C++17**, **software design patterns**, **microservices**, **web**, **concurrent programming**, **data structures**

BIOCAD   2017, St. Petersburg, Russia
Bioinformatics high school intern
Applied machine learning algorithms to bioinformatics protein folding problem, created an algorithm that performed better than a naive approach
Skills improved: **Python**, **Basic Machine Learning**, **Bioinformatics**, *Slightly* **Big Data**, **Linux Shell**

Skills

- Great knowledge of **algorithms** and **data structures** resulting in high competitive programming results — top-50% on final round of Russian national informatics contest, highest rating of 2091 over 75 different contests on Codeforces, 16th place out of 120 teams in the North-Western Russia Regional ACM ICPC
- Ability to write and read code in many languages including **C++**, **Java / Kotlin**, **Python**, **Haskell**. Knowledge of modern design patterns in both **OOP** and **Functional** paradigms
- Basic understanding of **Machine Learning** algorithms, experience with applying **Data Science** in real-life projects
- Profound knowledge of **Advanced Maths**, including **Probability Theory**, **Discrete Maths**, **Computational Complexity Theory** and more. Ability to quickly understand new concepts
- Ability to efficiently **collaborate in a team** — from both team competitive programming contests and team school projects, as well as working as a teacher in a computer science summer camp for teenagers
- Perfect **english** skills (C1-C2 level)