

Nikolai Kossa

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EDUCATION

HSE University

2020 – 2024

Bachelor of Computer Science

- GPA: 3.5
- Computer Architecture and Operating Systems, Advanced C++ Course
- Calculus, Linear Algebra, Mathematical Statistics

EXPERIENCE

Yandex

June 2021 – October 2021

Software Engineer Intern | C++, Python, Bash, SQL

Russia

- Expanded coverage of English search suggestions by 0.5%
- Automated data markup and ML pools building
- Added new data sources

Algorithms Tutor

November 2018 – December 2018

Intensive Competitive Programming Classes for Schoolchildren

Russia

- Taught basic algorithms and data structures
- Helped children solve problems and write code

PROJECTS

CV with Continuous Integration | CI/CD Docker

November 2021 – December 2021

- Made a GitHub Action to compile and upload LaTeX document
- Implemented a compilation of LaTeX file using docker container

Hash Map Implementation | C++ Git

May 2021 – June 2021

- Implemented a template bucket hash table with linear iteration guarantee
- Implemented a dynamic resizing to maintain amortized $O(1)$ performance of operations
- Tested it on three different data types over 10^7 queries each

PERSONAL ACHIEVEMENTS

Google Hash Code

2021

Top 2.8% out of 9004 teams

Russian State Olympiad in Informatics

2020

Top 0.9% out of more than 13000 participants

SKILLS

Programming Languages: C++, Python, SQL, Bash

Developer Tools: GDB, Git, Docker, CI/CD

Libraries: NumPy, Pandas, Matplotlib

Languages: Russian, English