Anton Garkavy
Software Engineer Intern

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EDUCATION

Belarusian State University   **Minsk, Belarus**
Bachelor's degree in Computer Science   *September 2018 — Expected 2022*

Yandex School of Data Science   **Moscow, Russia**
Master's level program, Machine Learning development track   *September 2019 — Expected 2021*
- Cumulative GPA: **4.63/5.00**
- Relevant courses: Probability and Statistics, Machine Learning, Computer Vision, Natural Language Processing, Deep Learning, Reinforcement Learning, Python, C++, GoLang, Algorithms and Data Structures, BigData, Parallel and Distributed Computations

WORK EXPERIENCE

Yandex   **Minsk, Belarus**
Software Engineer Intern   *July 2020 — October 2020*
- Used Python for exploring machine learning algorithms used to predicting travel times for **Yandex.Taxi** services with **50M+** users and **2B+** rides
- Deep neural networks of various architectures were trained, however, incorporating further structure from the road network proved difficult
- Besides exploring machine learning models, I also used C++ for testing & bug fixing taxi backend services

Yandex   **Moscow, Russia**
Software Engineer Intern   *July 2019 — October 2019*
- Used C++ to implement a new approach for finding similar images using state-of-the-art machine learning algorithms for **Yandex.Images** service with **6K+** QPS. Gain a **4x** time boost
- Optimized the logic for determining the similarity of texts. Gain a **1.2x** memory reduction
- Experience with BigData, MapReduce technology

PROJECTS

- **JPEG decoder**: Baseline sequential mode of JPEG decoder, written in C++ using OOP and various algorithms such as Huffman decoding
- **Code style checker for C++**: The utility checks the names used in the code for compliance with the Google Styleguide, and also looks for potential typos in these names relying on the Levenshtein distance. Written in C++ using the Clang tooling library
- **Ukrainian-Russian translator**: Written in Python with Sklearn library, using embedding space mapping with optimal transformation derived from SVD decomposition. Used public dataset with 1M word pairs

AWARDS

ACM ICPC, NEERC Western Subregional Contest   **Minsk, Belarus — October, 2018**
- Competition in sports programming among teams of universities of the North Eastern Europe, Western Subregion
- Place 20/46 — 3rd degree award

Individual Olympiad in informatics   **Saint-Petersburg, Russia — March 2018**
- Sports programming competition among schoolchildren of Belarus, Russia and Kazakhstan
- Place 52/374 — 2nd degree award

Belarusian National Olympiad in Informatics   **Minsk, Belarus — March 2018**
- National level
- Place 45/124 — 3rd degree award

Top 5% on Codeforces — Artemx

OTHER

- Competitive programming mentor — preparing students for Belarusian National Olympiad in Informatics and other programming contests