PAVLOVA ALEXANDRA

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EDUCATION

St Petersburg University   Sep 2019 - Jul 2023
Bachelor of Mathematics and Computer Science (Data Science Department)   *St. Petersburg, Russia*
Overall GPA: 4.59 out of 5

TECHNICAL SKILLS

Programming languages	Python, C++, C, Kotlin
Technologies	GitHub, Git, Android, Linux, Tensorflow, PyTorch, OpenCV, nltk, Jupyter Notebook
Languages	English (fluent), Russian (native)

COMPLETED COURSES

Machine Learning   Basics of Deep Learning   3D Computer Vision   Mathematical Statistics
Android   Probability Theory   Basics of Bayesian Inference and Linear Models   Algorithms

CURRENT COURSES

Java   Computer Networks   Deep Learning   Natural Language Processing

PROJECTS

OCR Search ⓖ   Sep 2021 - Dec 2021
Python, CNN, Elastic-Search

· Goal: A search engine for vast compilation of djvu-books
· Created a **web-crawler**, collected a lot of books from a number of online libraries
· Collected and refined a **dataset** of Russian printable characters
· Designed a **character and text recognition** algorithm (OpenCV + Computer Neural Network)
· Added **full-text** search (Elastic-Search)

ACHIEVEMENTS

ICPC 2019-2020 - World's Quarterfinals Awardee   Dec 2019
· 31th place out of ≈ 200 participants

XIX Russia Team Open, High School Programming Contest - Finals Awardee   Dec 2018
· 35th place out of more than 250 finals participant teams

Russian National Olympiad in Mathematics - Finals Awardee   Apr 2018
· Finals of the largest mathematics olympiad for high school students in Russia
· 59th place out of more than 130 finals participants (≈ 400,000 participants overall)

Russian National Olympiad in Informatics - Semi-Finals Awardee   Mar 2017
· Semi-finals of the largest computer science competition for high school students in Russia
· 5th place in 2017, 16th place in 2018, 18th place in 2019 out of ≈ 20,000 participants

INTERESTS

· I am eager to learn anything new in computer science
· I like working with neural networks, image recognition and natural language processing