Dmitry Ramus

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EDUCATION

HSE UNIVERSITY
BS in Computer & Data Science
Exp. June 2025 | Moscow, Russia

KAPITSA HIGH SCHOOL
Advanced Physics and Mathematics
Grad. May 2021 | Moscow, Russia

COURSEWORK

IT
Basics and Methodology of programming
Algorithms and Data Structures
Data Science
Data Analysis
Modern Software Engineering Practices

MATHEMATICS
Calculus
Linear Algebra
Discrete Math
Introduce to Economics

SKILLS

HARD SKILLS
Languages:
Python • C++ • Kotlin
Applications:
LaTeX • Git • Bash • PostgreSQL • Selenium • Docker • Kubernetes • Linux
Libraries & Frameworks:
Django • Flask • BeautifulSoup • NumPy • Pandas • Scikit-learn • PyTorch • Matplotlib • Seaborn • Android SDK • Retrofit • Room

SOFT SKILLS
Leadership • Communication • Teamwork • Critical thinking • Problem-solving

LANGUAGES
Russian – Native
English – Upper Intermediate

EXPERIENCE

ACADEMIC PRACTICE IN THE EDUCATIONAL CENTER | HSE
June 2022 | Moscow, Russia
- Studied linear regression, decision tree and random forest models, used MSE, RMSE, Accuracy metrics
- Studied the construction of convolutional neural networks, worked with the CIFAR10 dataset, built a neural network based on it.

8TH MOBILE APPLICATION DEVELOPMENT SCHOOL | HSE
July 2021 - August 2021 | Moscow, Russia

- Developed a client Android application on Kotlin for the school, implemented the functionality messenger, social feeds network, diary and navigation through educational complexes.

TUTOR | PROFI RU
January 2022 - May 2022 | Moscow, Russia
- Informatics course
- Teaching a begginer and an advanced course for students
- Preparing for the Unified State Exam

PROJECTS

TEXT RECOGNITION | Research project
April 2020 - May 2022 | Kapitsa High School
The neural network was developed and trained for text recognition on the EMNIST dataset. A desktop and mobile application for text recognition was created using the developed neural network and a solution from Google (Tesseract)

IMAGE EDITOR | Image processing project
March 2022 - March 2022 | HSE
The desktop program returns an image in the same BMP extension with one or more out of available filters applied to it.

SCHOOL APP | Creative project
July 2022 - August 2022
This project is a mobile superapp for Kapitsa High School which contains social network, schedule, graphical tools, school life feed and more.

ACHIEVEMENTS AND AWARDS

2022	Nominated for the Ilya Segalovich Prize based on academic achievement
2021	Diploma of the winner following the results of the school of mobile development
2021	Awarded with a gold medal "For special academic achievements"