

# 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

### 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 beginner 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"                   |