

## EDUCATION

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### ITMO University

Master student of Deep Learning and Generative AI

St. Petersburg

2022–present

- Best result in: creating images with generative adversarial networks (GANs), natural language processing (NLP)

### ITMO University

Bachelor of Computer Science, GPA: 3.78/5.00

St. Petersburg

2018–2022

- Best result in: machine learning, frontend development, algorithms and data structures, mathematical analysis

## RELEVANT EXPERIENCE

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### ITMO University

September 2020 – present

*Computer Science department mentor*

- Operating Systems course
- Introduction to Java language
- Algorithms and data structures
- Programming paradigms

### Academy of Informatics (ITMO University)

September 2019 – April 2020

*Teaching Assistant of additional educational courses for pupils*

- Python language (grammar school level)
- C++ language (high school level)

### LKSH (Summer Computer School)

July 2019

*Junior Teacher of additional algorithms and data structures for high school pupils (B' level)*

## PROJECTS

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See more projects at: [github.com/phoenix-1202](https://github.com/phoenix-1202)

#### • My bachelor's diploma

*Generation the advertisements using machine learning*

- included LayoutGAN implementation for advertisement layout
- extracting keywords from a slogan
- used technologies: Python 3.9, PyTorch, KeyBERT

#### • Parser generator

*Generation of lexer & parser classes by given grammar*

- supported LL(1) grammars
- supported synthesized and inherited attributes
- used technologies: Java 15, ANTLR library

#### • Computer Graphics tasks

*Course of image processing without compression*

- working with .pnm images (P5, P6)
- rotating, resizing, dithering and gamma-correction effects; Otsu's algorithm for image thresholding
- used technologies: C++ 17

#### • Simple market's database

*The web-service for working with database*

- supported some SQL requests (add, show, etc.)
- the result is shown in .html format
- used technologies: Java 17, JUnit, SQL

## EXTRACURRICULAR ACTIVITIES

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### XI Congress of Young Scientists

April 2022

Speech with a report on the topic “Generation of an advertisement by text description”

– victory in the nomination “Best Bachelor’s Report”

## SKILLS

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- **Languages:** Python, C++, Java
- **Familiar tools:** HTML & CSS, Javascript, Kotlin, PostgreSQL, Bash
- **Professional skills:** machine learning, backend & frontend development
- **Other skills:** Teaching, interpersonal and communicative experiences; hardworking; analytical

## LANGUAGES

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- **Russian:** native
- **English:** C1