Valentin Biryukov

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EDUCATION

Advanced Educational Scientific Center of Lomonosov Moscow State University (A. N. Kolmogorov School), Moscow

Student — 2013-2015
Relevant courses:

- Mathematical Analysis
- Fundamentals of programming

National Research University Higher School Of Economics, Moscow

Bachelor degree — 2015-2019
Branch of Applied Mathematics and Computer Science
Relevant courses:

- Algorithms and Data Structures
- Discrete Mathematics
- Linear Algebra

EXPERIENCE

Trainee, Russian Quantum Center

Moscow, Skolkovo — 2014-2015
Responsibilities

- The construction of a quantum simulator based on thulium atoms
- Computer modeling of physical experiments (Wolfram language)
- Calculation of parameters of experimental scheme (C++ \ Wolfram)
- Computer Interface (LabView \ G)

School 597 and School 1557

Moscow - 2016 – now
Teaching Algorithms and Data Structures

PROJECTS

iOren – the information portal of the city of Orenburg

Orenburg — 2012
Working in a team of simple information and news portal about events in the city of Orenburg, Russia. (LiveStreet CMS).

Neural Art, HSE+Yandex

Moscow — 2016
Customize and improve the "artistic neural network". Objective: To teach a neural network to repeat the style of a given image (a set of pictures). Used tools:

- Amazon Web server,
- Cuda, cuDNN, cudarray,
- DeepPy
- Python

Shaman (team project)

Moscow — 2015-2016
Tool to generate personalised advertisement videos (primarily trailers) using personal information from user's profile in VK social network. Used in advertising campaigns for Nerve and Battlefield 1.

- Python
- SQLAlchemy
- Flask
- MySQL

AWARDS

Open Olympiad "Information Technology", National level, prizewinner;
Open Olympiad in Mathematics, National level, winner;
Russian competition of scientific works of students "Junior", National level, winner;
International Conference of Young Scientists, International level, participant.

SKILLS

Technical skills:

- C++,
- Python,
- Delphi,
- Wolfram Language,
- LaTeX.

Languages:

- English (Intermediate),
- Russian (fluent)