

Mikita Kulbitski

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An undergraduate student of technical university in Russia • [github](#): kulbitsky99

Education

MIPT: BS in Engineering and Computer Technologies

Expected June 2021 | Moscow, Russia
Current GPA: 4.8/5

Lyceum of Belarusian SU (Physical and Mathematical Specialization)

Graduated June 2017 | Minsk, Belarus
GPA: 9.8/10

English language summer schools

EC English | B2 (July 2014 | Cambridge, England) • Studio Cambridge | B2 (July 2015 | London, England)

Skills

Programming

C/C++ (over 1000 lines) • Python (ML, DL tasks) • Tensorflow • Keras

Familiar:

Unix/Linux Programming • SFML • Assembler

Mathematics

Algorithms • Data Structures • Probability Theory • Linear Algebra • Differential Equations • Complex Variable Theory • Computational Mathematics

Technologies

Terminal • Git • Makefile • Cmake • LaTeX • Travis • Docker • Vagrant

Projects

Spaceshifts | 2D game:

- The C++ game where a user protects the Earth from asteroids with armed satellite;
- OOP structure (satellite, asteroid, bullet, earth classes are inherited from the basic class);
- Bullets have alive/dead status, the satellite can change the orbit radius and speed according to real physical laws.

<https://github.com/kulbitsky99/2D-Game-SpaceShifts->

Smart Counter | STM32 device:

- Used dynamic indication, encoder and USART technology to set numbers and change them in real time.

<https://github.com/kulbitsky99/STM32>

DL study projects (using Tensorflow/Keras):

- CNN, ResNet50 for categorical classification;
- Emotion detection on images of faces (smiling / not smiling);
- Realization of YOLO algorithm for object detection;
- Face recognition system (ideas from FaceNet, DeepFace);
- Generation of novel artistic images with Neural style transfer.

Coursera

Machine Learning | from Andrew Ng

Deep Learning | from Andrew Ng in collaboration with deeplearning.ai (4 courses of 5 in the specialization)

MADE mail.ru

Big Data Academy in Moscow | Machine Learning • Algorithms • Advanced C++

Fall 2019 – winter 2020

MIPT courses

Ilab (C course) • Technotrack mail.ru (C++ course) • STM32 (microcontrollers)