

# Ruslan Vorovchenko

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## EDUCATION

### Moscow State University

Bachelor of Computational Mathematics and Cybernetics

Moscow, Russia

Aug. 2020 – July 2024

## PROJECTS

### EpiDetect

Smart bracelet system for tracking nocturnal seizures of rolandic epilepsy | C/C++, Python, Android, Java |

### RoboCup Junior Soccer Open

2 custom robot soccer players ([link](#)) | C/C++, Python, Computer Vision |

### Smart Lamps

Smart IoT lamps and mobile app (production phase) | C/C++, IoT, Android, Flutter |

## COMPETITIONS

1st place in WorldSkills National Championship in Electronics

Kazan 2019

2nd degree Scientific Jury Diploma at Baltic Scientific Engineering Competition

Saint Petersburg 2019

2nd place at Skoltech and Sberbank IoT hackathon (EpiDetect)

Skolkovo 2018

1st place in WorldSkills Junior National Championship in Electronics

Yuzhno-Sakhalinsk 2018

1st place in JuniorSkills National Championship in Electronics

Moscow 2018

2nd place in JuniorSkills Corporation National Championship

Skolkovo 2017

1st place in JuniorSkills National Championship in 3D modelling/printing

Krasnodar 2017

Participation in National Scientific Competition NTTM (EpiDetect)

Moscow 2016

Business Jury Award at Baltic Scientific Engineering Competition (EpiDetect)

Saint Petersburg 2015

1st place in the National Scientific Competition "Junior" (EpiDetect)

Moscow 2015

1st place in Moscow City Team Olympiad in programming

Moscow 2015

## TECHNICAL SKILLS

### PROGRAMMING

**Languages:** Python, C/C++, R, Java, Dart, HTML/CSS

**Frameworks:** Tensorflow, Flutter

**Developer Tools:** Jupyter Notebook, Google Colab, Git, VS Code, Android Studio

**Python libraries:** pandas, numpy, matplotlib, seaborn, sklearn, xgboost, catboost, adaboost, spacy, shapely, overpass, geopandas, folium, keplergl

### ELECTRONICS

**Developer Tools:** Altium Designer, STM32CubeIDE, STM32CubeMX, Atollic TrueStudio, Keil uVision, Atmel Studio

**Hardware:** STM32, Atmel, ESP8266

## COURSES

### Deep Learning Specialization by DeepLearning.AI

current

Basics, Neural Networks, Tuning, TensorFlow, CNN, Object Detection, Face Recognition, RNN, NLP, Seq Models

### Moscow Institute of Physics and Technology DLSchool

current

Basics, Machine Learning, Neural Networks, CNN, CV, Image segmentation, GAN

### Completed MegaFon course "Machine Learning and Data Analytics"

2020

Basics, Linear models, Metrics, Decision trees, Ensembles, Clustering, NLP, A/B testing, Geo

### Completed Tinkoff Algorithms course

2019

C/C++, Python, Algorithms

### Graduated with honors from Samsung IT School (Android Mobile Development)

2018

Java, Android development, Java libraries

### Graduated with honors from "Programming in C++" course

2015

C/C++, Algorithms

## LANGUAGES

Russian(native), English(B2-C1)