

# 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

<b>Deep Learning Specialization by DeepLearning.AI</b>	current
Basics, Neural Networks, Tuning, TensorFlow, CNN, Object Detection, Face Recognition, RNN, NLP, Seq Models	
<b>Moscow Institute of Physics and Technology DLSchool</b>	current
Basics, Machine Learning, Neural Networks, CNN, CV, Image segmentation, GAN	
<b>Completed MegaFon course "Machine Learning and Data Analytics"</b>	2020
Basics, Linear models, Metrics, Decision trees, Ensembles, Clustering, NLP, A/B testing, Geo	
<b>Completed Tinkoff Algorithms course</b>	2019
C/C++, Python, Algorithms	
<b>Graduated with honors from Samsung IT School (Android Mobile Development)</b>	2018
Java, Android development, Java libraries	
<b>Graduated with honors from "Programming in C++" course</b>	2015
C/C++, Algorithms	

## LANGUAGES

**Russian(native), English(B2-C1)**