# ANTON DOROFEEV

**Machine Learning Engineer / Deep Learning Engineer / Data Scientist / Mathematician**

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## SKILLS

| Programming Languages | Machine Learning & Computer Vision | Other |
|---|---|---|
| • Python, MATLAB | • NumPy, SciPy, Pandas, Scikit-learn | • Mathematical Modeling |
| **Tools** | • Matplotlib, Seaborn | • Cybernetics |
| • PyCharm, Jupyter Notebook | • PyTorch | • Control Theory |
| • LaTeX, Git | • OpenCV | • Vector Optimization |

## EXPERIENCE

| *ML Engineer in Computer Vision* | **Samsung Research** | 🗓 Aug 2021 – present |
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## EDUCATION

| **St Petersburg University, Mathematics and Mechanics Faculty** | | ⚲ St Peterburg, Russia |
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| Postgraduate study | **Mathematics** | 🗓 2024 |
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**Speciality:** Discrete Mathematics and Mathematical Cybernetics
**Dissertation topic:** Method of control dynamic systems using artificial neural networks with dynamically changing coefficients

| Master & Bachelor degree | | 🗓 2020 |
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**Speciality:** Applied Mathematics and Computer Science, Theoretical Cybernetics
**Graduation project:** Speed-gradient algorithm for the problem of classifying dynamic objects using artificial neural networks

## ACHIEVEMENTS

- Executor of the RFBR grant "Methods of adaptation and machine learning in the problem of controlling complex systems through network communication channels", 2021.
- Supervisor of the course "Mathematical methods of machine learning for image recognition problems" at the Youth Mathematical School, St. Petersburg, 2020/21.
- Speaker and medalist of the session "Information processing in navigation systems" at the 21st Conference of Young Scientists "Navigation and Motion Control", St. Petersburg, 19-22 March 2019.

## PUBLICATIONS

**Dorofeev, A.** (2019). **"Gradient feedback method for training artificial neural networks"**. *Navigation and Motion Control. Proceedings of the 21st Conference of Young Scientists with international participants, SPb, Russia, 19-22 March 2019*. SPb, Russia: CSRI Elektropribor, JSC, pp. 310–311.

## COURSES & CERTIFICATES

- Neural Networks and Computer Vision (Samsung AI)
- Python programming (Bioinformatics Institute)
- An Introduction to Data Science (SPbU)
- Probability theory (CS Center)
- Mathematical statistics (CS Center)
- An Introduction to Databases (CS Center)

## INTERESTS

*Travelling:* visited 30 countries, hitchhiked more than 100,000 km, hiked in 10 mountain ranges, rafted to Kara Sea, etc.