

Andrey Marakulin



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📍 Moscow, Russia

🌐 Russian, English

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Work experience

- **Teacher of neural networks courses**

2020-2022 Lomonosov Moscow State University

I teach a one-year Neural Networks course for postgraduate MSU students. [The course](#) covers a wide range of neural networks types, deals with solving various problems. In the second part of the course, students did implement neural networks in their scientific work under my guidance

- **Deep Learning Engineer, Python developer**

2020-2022 [Center of Engineering Physics](#) at Lomonosov Moscow State University

Working on "EyePoint P10" - a signature analysis system. EyePoint P10 aims to detect faulty electronic components on printed circuit boards. My responsibilities are write Python code, modules, fix bugs, working on architecture and use deep neural networks for electronic components recognition.

- **DL-engineer**

2023 Moscow Institute of Physics and Technology

For a short time I worked in a [laboratory](#) engaged in the analysis of echolocation images. My main task was to process data and apply object detection models such as YOLO.

- **Ideological mastermind of the faculty application**

2021-present MSU Faculty of Physics

With friends, created a community of volunteer programmers of MSU Faculty of Physics. With team, we developed [PWA application](#) for students and teachers of the faculty, which is used by almost the entire faculty. The application consists of many modules covering a large stack of technologies like: databases, servers, APIs, auth, frontend, backend, analytics.

Education

- **Lomonosov Moscow State University**

(2018-2022, Moscow) Faculty of Physics, department of particles physics

- **Moscow Institute of Physics and Technology**

(2022-2024, Moscow) Applied Mathematics and Computer Science, Department of Technologies of Digital Transformation

Skills

- **Primary stack:**

Python, CV/ML/DL, Analytics, Backend



- **Secondary stack**

SQL, Deploy, Front, UI, embedded



- **Other**

CI/CD via GitHub Action, Services, Scripting



Open source projects

- **Neural networks course** - NN course for postgraduate MSU students
- **Faculty application** - Timetable, printers, lectures, bots, services
- **EPC-MSU/epdetection** - Module to detect PCB components by neural network
- **GitHub Issue Telegram Bot** - Bot for creation GitHub issue straight from Telegram group chat
- **PulchraBookmarks** - Chrome extension for newtab
- **Monitoring API** - API Server for collect data from measurements devices

Contacts

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- Profile on [GitHub](#)