

## EXPERIENCE

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### Senior ML Software Development Engineer

#### Artificial Intelligence Center

2021—Present

I develop dialogue systems for voice and chat personal assistants. I create the server part for machine learning models. I bring research prototypes to industrial-scale systems. I design and implement distributed, scalable, fault-tolerant services with high observability. I design AB tests and manage for later analysis. I accelerated the development process of an intelligent assistant by 28%. I investigated and eliminated the problem of losing 10,000 client dialogues per week due to HTTP protocol flaw.

## EDUCATION

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### Moscow Institute of Physics and Technology, Masters degree

2022—2024

In the field of computer science, I studied following courses: ML, DL, NLP, RL, RecSys, BigData, SDE, SRE. I defended my master's thesis and researched development of scenarios for industrial-scale dialogue systems.

GPA: 9.6/10 (Diploma with honours)

### Ural Federal University, Bachelors degree

2018—2022

Studied field of "Fundamental informatics and information technologies" courses: Algorithms and data structures, Operational systems, Industrial-scale development, Computer vision, Assembly, Microcontrollers. Defended bachelors thesis in application of pseudo-labeled data to solve the problem of semantic segmentation of buildings in aerial photographs.

GPA: 4.3/5

### Deep Learning School, MIPT

2021—2022

Studied: Convolutional neural networks, Computer vision tasks, Classification, Detection, Segmentation, Autoencoders. Received a 1st degree diploma of the advanced stream. Entered the top 3 students of the course out of 200.

### Mobile Development School, Yandex

2020—2021

Studied the basics of iOS mobile development, Swift, Objective C. Became the best student out of 20.

## SKILLS

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Python • FastAPI • Pydantic • TCP/HTTP • gRPC • PyTorch • Redis • Kafka • Postgres • Elasticsearch • CI/CD • Docker • K8S • Prometheus • Hadoop • PySpark • Wireshark

I can think outside the box and work under tight deadlines raising team spirit.

I speak English fluently at C1 level.

## ACTIVITIES

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Developed an API for a dialog system with microservice architecture [github/bacapibara](https://github.com/bacapibara)

Researched the influence of news on quotes using reinforcement learning [github/stonks](https://github.com/stonks)

Developed http server according to specification over tcp sockets [github/httpserver](https://github.com/httpserver)

Conducted seminars on the ML course for MIPT masters [tbank/academy](https://tbank.academy)

Developed SDK for Tinkoff Investments [github/invest-python](https://github.com/invest-python)

Conducting interviews in the Python section [tbank/python](https://tbank/python)

Presented at showreel days [tbank/mipt](https://tbank/mipt)

I am a professional athlete of sailing and a world champion in snowkite freestyle [msrfinfo](https://msrfinfo)