

EXPERIENCE

Senior Software Development Engineer

Artificial Intelligence Center

2021—Present

I develop dialogue systems for voice and chat personal assistants. I create backend for machine learning models inference. 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 data 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

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

Python • FastAPI • Pydantic • TCP/HTTP • gRPC • NLP • PyTorch • LLM • Redis • Kafka • Postgres • Elasticsearch • CI/CD • Docker • K8S • Prometheus • MapReduce • 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

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

Presented at showreel days tbank/mipt

I am a professional sailing athlete and a snowkite freestyle world champion msrfinfo