

# Ali Panesh

Moscow, Russia

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## EDUCATION

### Higher School of Economics

BACHELOR OF COMPUTER SCIENCE, ML DEPARTMENT

Moscow  
2019-2023

## EXPERIENCE

### Yandex (Bank unit)

SOFTWARE ENGINEER C++

Remote  
Oct 2022 - Present

Decrease log counts for **75-95%** for spamming services

### Gologin

DEEP LEARNING ENGINEER

Remote  
Jul 2022 - Oct 2022

Made and trained the model for **object detection** with mAP@0.5 over **90%** to parse websites using **PyTorch** and **YOLOv5 (paper)**.

Developed microservice in **Python** from scratch, which handles this model. The service detects bounding boxes for the website picture and writes it as a response to **MongoDB**. We chose **AWS S3** for storing images and **RabbitMQ** as a queue for this microservice.

JUNIOR SOFTWARE ENGINEER C++

Nov 2021 - Jun 2022

Found a vulnerability in the fingerprint in getClientRect, canvas and WebGL pictures, etc., and solved them with **C/C++**.

Created a rebasing script for **Chromium** using **Node JS**, **Python**, and **git patches**, which decreased the time of rebasing between chromium branches by **90%**.

### Yandex (Delivery unit)

INTERN SOFTWARE ENGINEER C++

Moscow  
Jul 2021 - Oct 2021

Implemented new features in the delivery unit. Some of them were part of a big update, which decreased ride cost by **20%** and others decreased rejection nearby **10%**.

## SKILLS

- **Programming languages:** C/C++, Python, SQL, JavaScript, Golang, Bash, Latex
- **Technologies:** Git, Linux, Docker, MongoDB, PostgreSQL, Boost, LLVM, PyTorch, SKlearn, Node JS
- **Strong knowledge:** C++, Discrete math, Algorithms, Olympiad math
- **Basic knowledge:** Machine Learning, Deep Learning (CV, NLP), Distributed systems, Databases
- **Languages:** English: upper-intermediate, Russian: native

## PROJECTS

- **Chat** is a console **client-server C++** application based on **Boost.Asio** using **socket**, **thread**, **JSON**. The README contains all commands and instructions.
- **Machine learning, deep learning, and optimization in machine learning homework** were written using Jupiter Notebook, **Python (PyTorch, Pandas, SKlearn, NumPy, etc.)**.