

Ali Panesh

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EDUCATION

Higher School of Economics

BACHELOR OF COMPUTER SCIENCE, ML DEPARTMENT

Moscow

2019-2023

EXPERIENCE

Gologin

Remote

JUNIOR SOFTWARE ENGINEERING C++ | NODE JS

Nov 2021 - Present

Find a vulnerability in fingerprint and solve it to provide secure anti-detect browser such as implement noise in getClientRect, load special fonts and others using **C/C++**.

Updated UI our logo at new-tab-page **HTML, CSS, JS**. Implement force pinned extension using **C/C++**.

Create rebasing script for **Chromium** using **JS (Node)**, **Python**, **git patches**, which decreased rebasing on new chromium branch time from week to few hours.

Yandex

Moscow

INTERN SOFTWARE ENGINEERING C++

Jul - Oct 2021

Implementing new features includes changing REST API. Some of them were part of a big update, which decrease ride cost by **20%**, others decreased rejection nearby **10%**. Stack: **C++** and **SQL** and coroutine framework **Userver**

Create tests for code with **PyTest** and Yandex features

TEACHING EXPERIENCE

Education centre "Sirius"

Sochi

MATH TEACHER ASSISTANT

2020

Listen and evaluate assignments online on combinatorics and geometric courses

SKILLS

- **Programming languages:** C/C++, Python, SQL, JavaScript, Golang, Bash, \LaTeX , HTML, CSS
- **Technologies:** Git, PyTorch, SKlearn, Pandas, Numpy, Seaborn, Matplotlib, PyTest, Node.js, Linux
- **Strength knowledge:** C++, Discrete math, Algorithms, Olympiad math
- **Basic knowledge:** Machine Learning, Deep Learning (CV, NLP), Distributed system
- **Languages:** English: upper-intermediate, Russian: native

PROJECTS

- **Chat.** Console **client-server** application is written using **C++**. Based on **boost** using **socket**, **thread**, etc. Using jsons to parse messages. The readme contains all commands and instruction.
- **Machine learning, deep learning and optimization in machine learning homework.** Written using Jupiter Notebook, Python(numpy, pandas, sklearn, torch, etc). Example: **Neural network** with average loss **0.773** in **predicting score rating for hotels by user text review** using pre-trained **bert transformer** - **SentenceTransformer**.