Ali Panesh

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EDUCATION

Higher School of Economics   *Moscow*
BACHELOR OF COMPUTER SCIENCE, ML DEPARTAMENT   *2019-2023*

EXPERIENCE

Gologin   *Remote*
JUNIOR SOFTWARE ENGINEERING C++   *Nov 2021 - Present*
Work with Chromium.

Yandex   *Moscow*
INTERN SOFTWARE ENGINEERING C++   *Jul - Oct 2021*
Implement new feature includes changing REST API. Some of them were part of big update, which decrease ride cost by **20%**, other decreased rejection nearby **10%**. Stack: **C++** and **SQL** and coroutine framework **Userver**
Create tests for code with **PyTest** and Yandex features
Testing code with test suite

TEACHING EXPERIENCE

Education centre "Sirius"   *Sochi*
MATH TEACHER ASSISTANT   *2020*
Listen and evaluate assignments online on combinatorics and geometric courses

SKILLS

- **Languages**: C/C++, Python (PyTest, SkLearn, PyTorch, Pandas, seaborn), Golang, SQL, Bash, LaTeX

- **Strengths**: C++, Discrete math, Algorithms, Mathematical Analysis, Olympiad Math

- **Basics**: Linux, Git

PROJECTS

- Chat. Console **client-server** application written using **C++**. Based on **boost** using **socket, thread**, etc. Using jsons to parse messages. Readme contains all commands and instruction.

- Machine learning homework. Written using Jupiter Notebook, Python(numpy, pandas, sklearn, torch, etc). Already done:
  Neural network with loss **8.62** in predicting year of song on Million song database (digitized music from 1922 to 2011).
  Linear regression with RMSE loss nearby **0.41** (the best result of the competition is 0.28, percentile 40) in kaggle competition NY taxi trip duration.

- Heads up GTO Solver for 6+ Holdem. Library written using C++. Same as Piosolver. As input contains cards on board and possible diapasons for both players, as output strategy for every hand for both players and **accuracy** worst on test: nearby **95%**.