Artem Makoyan

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EDUCATION

Higher School of Economics, Moscow, Russia   Sep 2019 - June 2023
Faculty of Computer Science, Applied Mathematics and Information Science, Bachelor
<u>Relevant courses:</u>
ML, DL, Applied Statistics in ML, Calculus, Linear algebra, Probability theory, Matrix computations, Algorithms and Data Structures, C++ programming
School of Data Analysis by Yandex, *Data Science*   2020 - 2022
<u>Relevant courses:</u> Machine learning, Statistics, Deep Vision and Graphics, NLP, Python, Linear algebra, Probability theory, Algorithms and Data Structures, Golang

EXPERIENCE

- **Internship in Computer Vision in Yandex VR team**   Jul 2021 - Oct 2021
  – Solving alpha and foreground human matting problem using DL nets
  – Preparing dataset of humans with their mattings
  – Reading and comparing papers on related topic
  – Improving and training net from FBA Matting paper
- **Practice in Samsung R&D Department**   Nov 2020 - June 2021
  – Using ML d DL for user authentication on mobile phones and predicting unblocking by time series of user's micromovements
  – 75% accuracy in predicting unblocking, 70% accuracy in user's authentication
  – Reading papers on related topic
- **Intern in Software Architecture Improvement, Huawei**   Aug 2020-Oct 2020
  – Developing data handler, writing system consisting of several modules on C
  – Testing via the same Octave implementation and unit tests (Catch2 library)
  – Simplifying logic using mediator and command patterns

ADDITIONAL EXPERIENCE

- **Head of Informatics Department in APO**   Nov 2019 - Now
  – Organization of additional education at schools all over Moscow
  – Teacher recruitment from former participants of programming olympiads, controlling and analyzing teachers' work
  – Development of teaching-learning materials for olympiads in programming
- **Summer School of Computer Sciences**   Aug 2018, 2019, 2020
  – Teaching algorithms and C++ code style
- **Educational Center Sirius**   Nov 2019, 2020
  – Teaching algorithms and C++ code style

TECHNICAL SKILLS

- **Programming languages :** C++, Python, C, Golang, Octave, Shell
- **Libraries :** numpy, pandas, pytorch, sklearn, tslearn, matplotlib, seaborn
- **Other :** SQL, Bash, Json, CMake, Bazel, Git, Linux

PROJECTS

- **Telegram poll bot**
  – Telegram bot on python3 using telebot library
  – Allows to create and pass polls containing images, videos, files and voice messages
  – Imports poll's results to Google Sheets using Google Sheets API
- **Automatic computer activity monitoring**
  – Windows application allowing automatic employee performance monitoring and analysing
  – Implementation on C++ using grpc and protobuf for data transfer
  – Access to information by WinAPI

COMPETITIONS

- Top 350 (top 0.8%) in Google Code Jam, Round C   June 2020
- Top 50 in Google Kick Start, Round C   May 2020
- Top 8% in Google Hash Code   Feb 2020
- Award in All-Russian Olympiad in programming (top 16%)   Apr 2018, 2019
- Award in All-Russian Olympiad in maths (top 7%)   Apr 2018, 2019