Vasiliy Batmaev

Objective:

Python and Julia developer. Data Analyst.
Quantum researcher. Astrophysicist.

I'm ready to move in a new country or work remotely.

Education:

2018–2022: Bachelor of Moscow Institute of Physics and Technology,
which is #43 in the QS Physics & Astronomy world ranking.
The thesis was devoted to solving the traveling salesman problem on a quantum computer.
Ranked 14th out of ~1000 with GPA 4.98 / 5.

2022–2024: Master of Moscow Institute of Physics and Technology in Scientific Software
program. The thesis was devoted to the analysis of variable stars' data using Bayesian
methods.

Awards:

1st place in the Russian Olympiad "Yandex-Professional"
in quantum technologies, and 3rd place in innovative healthcare.

Experience:

Worked for Telecommunications Research Center at MIPT. Created a library to control the
robotic platform. Used quaternions, UDP, threading, plotly / dash, pyserial, pandas.

Skills:

Actively use Python and Julia.
Also have learned C, C++, Wolfram Mathematica, Haskell and JavaScript.

Have experience with Affinity Designer, LaTeX, Docker, git, SQL.

Upper-Intermediate knowledge of English.

Completed online courses on Deep Learning, Haskell,
Algorithms and Data Structures.

Pet-project:

Developed a privacy-oriented dating service for queer students, leveraging the Telegram
Messenger API. Conducted UX-research for it. Used SQLite, aiogram, Docker.

Conference papers:

Forest segmentation on satellite images using neural networks and the maximum mutual
information method – *A. Matseiko, V. Batmaev, I. Kharuk, E. Fedotova* // Conference "Current
problems in remote sensing of the Earth from space", Space Research Insitute (Russia), 2023.

Parameter estimation of symbiotic variable stars from light curves using probabilistic
programming // V. Batmaev // MIPT Conference, 2024

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