Software Engineer
Mikhail Slutskii

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SUMMARY

Backend Software Engineer with 2.5+ YoE in software development with experience in research.

TECHNICAL SKILLS

Languages: C++ (stl, OpenMP), Python, Matlab
Developer Tools: Git, Linux

EXPERIENCE

Software Engineer (R&D)   11/2020 - 05/2021
Align Technology · link · the largest manufacturer of 3D digital solutions in orthodontics.

- Proposed and implemented features included in a launch of a new orthodontic product;

- Increased rate of successful orthodontic treatment by 4% by improving geometric algorithms;

- Consulted a team of 3 bio-mechanics on optimization problems;

- Conducted code review and provided unit testing for legacy code to maintain code quality;

Had to resign because of relocation to Germany.

Research engineer   08/2018 - 06/2020
Landau Institute for Theoretical Physics · link

- Implemented numerical simulations for various models of quantum physics;

- Co-authored an article about quantum algorithms.

Research engineer   02/2018 - 06/2018
Higher School of Economics · link

- Optimized algorithms for simulating physical processes on large space and created a multi-thread program for corresponding computations;

- Publicized an article on the related theme.

EDUCATION

Higher School of Economics · link	***MSc, Computer Science***
QS World University Rankings: top 100 in Mathematics, top 200 in Computer Science	*2018 - 2020*
Higher School of Economics · link	***BSc, Applied Mathematics***
Key courses: algorithms, C++, numerical methods, parallel programming	*2014 - 2018*

PUBLICATIONS

Slutskii, Mikhail, et al. "Analog nature of quantum adiabatic unstructured search." New Journal of Physics 21.11 (2019): 113025.

Slutskii, M. G., L. Yu Barash, and Yu Yu Tarasevich. "Percolation and jamming of random sequential adsorption samples of large linear k-mers on a square lattice." Physical Review E 98.6 (2018): 062130;