SERGEI VOLODIN

Russia, Moscow

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EDUCATION

Moscow Institute of Physics and Technology *Sept 2012 – June 2017*
Department of Control and Applied Mathematics
GPA for 7 semesters: 8.98/10

RESEARCH INTERESTS

Artificial intelligence

Machine learning

Optimization

PUBLICATIONS

Probabilistic prediction of nuclear receptors biological activity, Sergey Volodin, Maria Popova, Vadim Strijov, ITAS 2016

Janibekovs effect and the laws of mechanics, A.G. Petrov, S.E. Volodin, 2013, published in Doklady Akademii Nauk, 2013, Vol. 451, No. 4, pp. 399403.

CONFERENCES

Information Technologies and Systems (Saint-Petersburg, Repino, September 2016)
Speaker

Eights Traditional school Control, Information, Optimization (Saint-Petersburg, Repino, June 2016)
Poster presenter

SKILLS

Programming: C++, C, Python, Matlab, scikit-learn, numpy, AVR C/C++, x86 assembly, Microsoft SQL
Languages: Russian (native), English (B2)

OLYMPIADS AND HACKATHONS

DeepHack.RL Deep Reinforcement learning hackathon and science school (Moscow Institute of Physics and Technology, January 2016, *expected*)

Sixteen interuniversity programming olympiad, Vologda, 2013, Successful performance
http://olympiads.vologda-uni.ru/interuni/

DevCup, Russia, Moscow 2013, 2nd place (with BBC&N team)
https://vk.com/devcup

EXPERIENCE

Skoltech Sep 2016 –
Research Intern *Russia, Moscow*

· Power flow feasibility problem
· Numerical optimization with Matlab
· Results: *article expected*

ITBrat July 2015 – Feb 2016
Developer *Russia, Moscow*

· High Frequency Trading application development
· Low-level networking in Linux

Claustrophobia July 2014 – Feb 2015
Developer *Russia, Moscow*

· C++ programming (Atmel AVR, Linux)
· System architecture
· Results description: `https://habrahabr.ru/company/technoworks/blog/258585/` (in Russian)

HOBBY

Quadcopter stabilization 2012 – 2014
Lead developer *Russia, Moscow*

· C++ programming (Atmel AVR, Linux)
· System architecture
· Working with TechnoWorks team (Arshavir Ter-Gabrielyan and others)
· Results description: `https://habrahabr.ru/company/technoworks/blog/216437/` (in Russian)