Lebedev Mikhail

Personal information
Date of birth: 01 December 1993 year.
Place of birth: Sudogda, Vladimir region, Russia.
Languages: Russian (native), English (B1).
Family status: single.

Contact information:
Saint-Petersburg
phone: +7 (925) 128 2306
e-mail: `gloriouslair@gmail.com`

Fields of interest:
- Numerical Methods;
- Data analysis;
- Nonlinear dynamics;
- Asymptotical analysis;
- Machine Learning;
- Bioinformatics.

Education:
Bachelor degree: 2010–2014, National Research University of Electronic Technology (MIET), Moscow, Zelenograd, Proezd 4806, building 5, 124498.

B.S. in Computer Engineering, G. L. Alfimov (advisor),
"Nonlinear modes in Bose-Einstein condensate model with periodically modulated nonlinearity"

Average diploma score: 4.95.

Master degree: 2014–2016, National Research University of Electronic Technology (MIET), Moscow, Zelenograd, Proezd 4806, building 5, 124498.

M.S. in Applied Mathematics, G. L. Alfimov (advisor)
"Solitons in nonlinear Schrödinger equation with periodically modulated nonlinearity"

Average diploma score: 4.93.

Online – education
1. *Coursera.* Completed courses:
   - Machine Learning (100%);
   - Machine Learning Foundations: A Case Study Approach (92.0%);
   - The Data Scientist's Toolbox (94.7%);
   - R Programming (100%);
   - Getting and Cleaning Data (99%);
   - Finding Hidden Messages in DNA (Bioinformatics I) (76.2%);
   - Assembling Genomes and Sequencing Antibiotics (Bioinformatics II) (89.8%);
   - Comparing Genes, Proteins, and Genomes (Bioinformatics III) (87.4%).

2. *Stepic.* Completed courses:

- Fundamentals of statistics (100%)

Competitions:	• Regional Student Mathematical Competition of the North-West of Russia, 2013, 4th place in team standings;
	• 74th William Lowell Putnam Mathematical Competition, 2013 (Russian mirror), Diploma of the 3rd degree;
	• Vojtěch Jarnic International Mathematical Competition, Ostrava, Czech Republic, 2013.

Conferences, seminars, schools:
- International Conference "Hamiltonian Dynamics, Nonautonomous Systems and Patterns in PDEs"; Nizhni Novgorod, Russia, December 10-15, 2014.
- Fundamental Mathematics and its Applications in the Natural Sciences; Ufa, Russia, September 27 – October 1, 2015.
- Scientific Seminar at the University of ITMO: "Solitons in nonlinear-Schrödinger lattices", St. Petersburg, Russia, February 4, 2016.
- Summer School on Bioinformatics, July 20-25, 2015.
- International Conference-School "Dynamics, Bifurcations and Chaos"; Nizhni Novgorod, Russia, July 18-22, 2016.

Employment:
1. November, 2014 — April, 2015: Alytics, Zelenograd, Moscow; Programmer – Mathematician / Junior.

2. October, 2015 — June, 2016: Genotek, Moscow; Researcher.

3. June, 2017 — *Nowadays*, : Genestack, Saint-Petersburg; Developer / Junior.

Publications:
1. G. L. Alfimov, M. E. Lebedev. On regular and singular solutions for the equation $u_{xx} + Q(x)u + P(x)u^3 = 0$ // Ufa Mathematical Journal, **7**, No. 2 (2015), 3–17.

2. M. E. Lebedev, G. L. Alfimov, B. A. Malomed. Stable dipole solitons and soliton complexes in the nonlinear Schrödinger equation with periodically modulated nonlinearity // Chaos **26**, 073110 (2016).

Skills:
- C++, STL, Boost, MPI;
- Python, NumPy, SciPy, Scikit-Learn, Pandas;
- Statistical analysis with R;
- Bash, Git;
- MATLAB, MEX;
- Numerical Methods;
- Basics of Machine Learning;
- Basics of Haskell;
- LaTeX, Inkscape.

Personal interests:
- Hiking, Kayaking;
- Classical guitar, Choir singing.