

Sharov Vadim

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EDUCATION

Sept. 2009 – Present, Institute of space and information technologies, Siberian Federal University.

Postgrad in Computer Science

I have been studying at the Institute of Space and Information Technology. I have a master's degree in computer science. Besides, I have the qualification of an engineer. Now I am studying at the postgraduate department on the program of "Mathematical and software support of computers, complexes and computer networks". The theme of my thesis is "Research of algorithms for processing big data". Since 2013, the main focus of my research has been high-performance computing (HPC). With parallel computing it is possible to achieve greater application performance. This is very important while performing scientific calculations. The first important result in this area for me has been a parallel program for calculating the parameters of high-temperature superconductors. The program was developed in collaboration with the researchers of the Laboratory of Theoretical Physics of SibFU.

EMPLOYMENT HISTORY

Sept. 2014-Present, Laboratory of Forest Genomics, Genome Research and Education Center, Siberian Federal University

Researcher

While studying for the Master's degree I have joined the SibFU research project, which explores the genomic features of coniferous trees and I have started getting involved into bioinformatics. This is an area of science that includes computer science, mathematics and engineering for the analysis of biological data. The theme of my thesis is connected with the issues of big data. In this research, I am developing software for the efficient analysis and processing of large-scale genomic data. In the framework of this research, I have already developed several software solutions that are officially registered and applied in experiments. Moreover, the articles of the international level have been published in collaboration with the participants of the project.

COMPETENCIES & INTERESTS

English Ability: CEFR A2.

Publications: <https://scholar.google.ru/citations?user=leTEAvoAAAAJ&hl=ru>