

# Sergey Chernikov

Date of Birth: 19.03.1991

Location: Krasnoyarsk, Russia

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## Professional Experience

**Intern** 3 July - 23 August 2013, Intel Corporation, Novosibirsk, Russia  
OpenCV port to Intel Integrated Graphics

**Software Engineer**, 1 October 2012 - present, Siberian Federal University, Krasnoyarsk, Russia  
Aerosol dynamics software development

**Teaching Assistant**, 1 September 2014 – present, Siberian Federal University, Krasnoyarsk, Russia  
Holding seminars

**HPC Consultant**, 1 July 2014 - present, University of Haifa  
Development of algorithms and software for bioinformatics

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## Education

**PhD Student**, 2014 – 2018, Siberian Federal University

**Master of Science, Information Technology**, 2012 – 2014, Siberian Federal University  
The topic of a Master's thesis: *"The software package "Photophoresis and Aerosol Dynamics"*

**Bachelor's degree, Information Technology**, 2008 – 2012, Siberian Federal University  
The topic of a Bachelor's thesis: *"Parallelization algorithm for solving the problem of heat and mass transfer for aerosol clusters based on NVidia CUDA technology for GPU"*

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## Grants

- Genomic studies of the main boreal forest tree species of conifers and their most dangerous pathogens in the Russian Federation
  - Development of multi-functional on-board control complex, class SoC, for small spacecraft with the use of radiation-resistant element base of Russian production
  - Development of VLSI architecture for SoC to create a goniometric navigation receiver
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## Skills

Languages: Russian (native), English

Software Engineering, High Performance/Hybrid Computing, Linux programming:

- Programming languages: C++, C, Python, Java, Matlab, Bash, HTML, CSS, SQL
- Eclipse, Vim, Git, Redmine, Visual Studio