Alexey A. Romanenko
PhD in software engineering

Phone: +7 913-949-89-66
e-mail: romanenko.alexey@gmail.com
Web: www.ccfit.nsu.ru/arom/

Summary of qualifications

- C\C++ software developer with more than 10 years of academic and industrial experience.
- Technical tools: GNU compiler tools, Intel development tools, PGI, CUDA Toolkit, MS Visual Studio.
- 5 years of work with MySQL, Postgress. Some experience with Microsoft SQL and Oracle.
- More than 6 years of work with testing and bug tracking systems.
- 3 years of industrial project management experience.
- Solid understanding of cloud-computing and web-service principals.
- More than 10 years of teaching experience (giving lectures, conducting practical classes, supervising students' diplomas).
- More than 9 years of system administrator experience (Windows, Linux, Solaris).
- Great experience of obtained results presentation, both in papers and conferences.
- Strengths: Software development, Multithreading, High Performance Computing, CUDA, OpenACC, Algorithms, Project management.
- Good communication and team collaboration skills.

Experience

NVidia Ltd. (Russia), HPC senior software engineer   06.2012-12.2015

NVidia Ltd. (Russia), Technical manager   06.2012-12.2015
Manage external developers for OSAAP project. Act as senior developer.
SIESTA package (molecular dynamics) was adapted to GPU on time. Dozens bugs for PGI compiler were found and tracked.

University of Aizu (Japan), Visiting researcher   10.2011-12.2011
Investigation on tsunami wave propagation modeling; giving Computer Science lectures.
MOST package was adopted for GPU. Performance gain is 45 times. NOAA database on unit-sources was parsed and reconstructed in the University of Aizu.

University of Aizu (Japan), Visiting researcher   9.2008-11.2008
Investigation on tsunami wave propagation; giving lectures on parallel programming languages.

Novosibirsk State University (Russia), Head of IT division of IT department   2005 – present
Manage 5 employee; hardware and software procurement; teaching. Act as senior developer.
Web-based engine of associative dictionary was developed (http://dictaverf.nsu.ru, etc). Two NVidia conferences were organized (more than 100 attendants each). CUDA teaching center was opened.

Novosibirsk State University (Russia), Head of scientific laboratory   6.2005 – 8.2008
Lab management, project management, grow highly skilled staff for SWsoft Inc. Scientific researches.
DB and architecture of the system to support HR-department activity was developed.

Novosibirsk State University (Russia), Senior developer of IT department   2000 - 2005
Giving lectures on "Digital electronic engineering"; installation, configuration and support of terminal rooms of IT department and servers as well; support and development of IT department web-server; installation and support of Linux-cluster on IT department; conduction of practical classes (multithread programming, system calls of SVR4, Digital electronic engineering, etc.)

Novosibirsk State University (Russia), Professor assistant   1999 - 2001
Conduction of practical classes (IT courses); development of web-site of Physics-technical chair.

Education

Novosibirsk State University   **2004**
PhD in software engineering
Novosibirsk State University (magistracy)   **1999-2001**
Master of physics, specialty - computer science
Novosibirsk State University   **1997-1999**
Bachelor of physics (distinction), specialty - computer science
High college of Informatics, Novosibirsk State University   **1995-1997**
Electronic design assistant (distinction)

Education (additional)

New York Institute of Photography   2016
"The Massive Parallel Process Programming (CUDA)" course by NVIDIA   2011
"Ocean Introduction" course by Schlumberger   2011
"Petrel Introduction" course by Schlumberger   2011
"Project Management" course (50 PDU) by PMI SPB   2008
Intel Software College "Multi-Core Programming for Academia"   2006
Winter school for young scientists "Parallel programming technique"   2004

Certificates

- Prize-winner of "Effective usage of GPU-accelerators for solving large problems" contest.
- "C Programmer" Brainbench Master certificate.
- "UNIX administrator" Brainbench Master certificate.
- "MS SQL Server Programmer" Brainbench certificate.
- "Managing a Project" Sun Microsystems certificate.
- Laureate of "Russian Team of Professionals" contest.

Languages

English (fluent), Russian (native)

Hobbies

Photo, swimming, traveling, car driving

Personal qualities

- Communicative
- Responsible
- Accurate
- Open to new technologies
- Steadiness

Other

Driving license – "B"