Curriculum Vitae

Personal information

Name:	**Maciej Kruk**	
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Experience

Jan 2012 – Aug 2012	*Fujitsu Laboratories Ltd. in Kawasaki, Japan* Research as part of Design Innovations group
July 2009 – Aug 2011	*Institute of Nuclear Physics PAN in Krakow, Poland* Cloud management system development (CC1 project)
July – Sept, 2010	*ESISAR, Grenoble Institute of Technology in Valence, France* Modelling and visualization of water flow in canal systems (Lattice Boltzmann Models)
Aug, 2008	*CERN – European Organization for Nuclear Research in Geneva, Switzerland* Implementation of regression and classification algorithms in Toolkit for Multivariate Data Analysis
Feb, 2008	*CERN – European Organization for Nuclear Research in Geneva, Switzerland* Implementation of Simulated Annealing in TMVA package of ROOT framework
Sept, 2007	*CERN – European Organization for Nuclear Research in Geneva, Switzerland* Optimization of Multidimensional Probability Density Estimator Range Search in TMVA package of ROOT framework
June – Sept, 2007	*Institute of Nuclear Physics PAN in Krakow, Poland* Construction of multivariate analysis algorithm for tauRec package of Athena framework

Education

2011 –	*AGH University of Science and Technology in Krakow, Poland* Computer Science, Master of Science Specialization: Interactive Systems and Visualization Methods
2007 – 2011	*AGH University of Science and Technology in Krakow, Poland* Computer Science, Engineer

Personal Achievements

2012	*CS373: Programming a robotic car, Udacity* Accomplishment with highest distinction
2010	*2nd edition of Google AI Challenge* 105th place (out of 4600 contestants)
2007	*ACM Central Europe Programming Contest in Prague, Czech Republic* 40th place
2006	*Poznan Open 2006 – Team Programming Championship* 1st place in junior classification (7th in open classification)
2006	*XIII Polish Olympiad in Informatics* Finalist

Skills and Competences

Foreign languages	Polish (native speaker), English (fluent), Japanese (intermediate – JLPT N3 certificate)
Programming languages	work experience: C, C++, Java, Python others: Erlang, Lisp, Icon, Ruby, Perl, Pascal, Assembly 8086, MATLAB
Graphics	OpenGL 3.3, GLSL, CUDA, OpenCL
Cloud computing	OpenNebula, Eucalyptus, Amazon EC2, Amazon S3,
Virtualization	Xen, KVM, QEMU, VMWare, libvirt
Specializations and interests	Advanced algorithms and data structures, artificial intelligence, computer graphics, distributed systems