Curriculum Vitae

Personal information

Name:	**Maciej Kruk**	
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Work 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).
Sept 2007, Feb, Aug, 2008	*CERN – European Organization for Nuclear Research in Geneva, Switzerland* Optimization and implementation of regression and classification algorithms in Toolkit for Multivariate Data Analysis of ROOT framework, including Simulated Annealing, Probability Density Estimator Range Search, Function Discriminant Analysis, Support Vector Machine and others.
June – Sept, 2007	*Institute of Nuclear Physics PAN in Krakow, Poland* Construction of multivariate analysis algorithm for tauRec package of Athena framework.

Education

2011 –	*Postgraduate student in Computer Science* Specialization: *Interactive Systems and Visualization Methods* AGH University of Science and Technology in Krakow, Poland Faculty of Electrical Engineering, Automatics, Computer Science and Electronics
2007 – 2011	*Undergraduate student in Computer Science* Awarded title: Engineer AGH University of Science and Technology in Krakow, Poland Faculty of Electrical Engineering, Automatics, Computer Science and Electronics

Personal Achievements

2012	*CS373: Programming a robotic car, Udacity* 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