

Curriculum Vitae

Personal information

Name: **Maciej Kruk**
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Work Experience (references available upon request)

Jan 2012 – Aug 2012	<i>Fujitsu Laboratories Ltd. in Kawasaki, Japan</i> Combinatorial optimization and formal verification
July 2009 – Aug 2011	<i>Institute of Nuclear Physics PAN in Krakow, Poland</i> Cloud system development
July 2010 – Sept 2010	<i>ESISAR, Grenoble Institute of Technology in Valence, France</i> Modelling and visualization of water flow in canal systems
Aug 2008	<i>CERN – European Organization for Nuclear Research in Geneva, Switzerland</i>
Feb 2008	Optimization and implementation of regression and classification algorithms in Toolkit for
Sept 2007	Multivariate Data Analysis of ROOT framework
June 2007 – Sept 2007	<i>Institute of Nuclear Physics PAN in Krakow, Poland</i> Construction of multivariate analysis algorithm for tauRec package of Athena framework.

Education

2011 – 2013 (expected graduation date)	<i>AGH University of Science and Technology in Krakow, Poland</i> Specialization: Interactive Systems and Visualization Methods Computer Science, Master of Science
2007 – 2011	<i>AGH University of Science and Technology in Krakow, Poland</i> Computer Science, Engineer

Personal Achievements

2012	Udacity Highest distinction for CS373: Artificial Intelligence and CS387: Applied Cryptography
2010	2nd edition of Google AI Challenge 105 th place (out of 4600 contestants)
2007	ACM Central Europe Programming Contest in Prague, Czech Republic Finalist
2006	Poznan Open 2006 – Team Programming Championship 1 st place in junior classification (7 th in open classification)
2006	XIII Polish Olympiad in Informatics Finalist

Skills and Competences

Foreign languages	Polish (native), English (fluent), Japanese (intermediate)
Programming	C/C++, Java, Python, others
Virtualization	Xen, KVM, QEMU, VMWare, libvirt
Parallel computing	OpenMPI, CUDA, OpenCL
Graphics	OpenGL 3.3
Environments	Vim, Eclipse
Others	Advanced algorithms and data structures