

Curriculum Vitae

Personal information

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

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

Education

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

Personal Achievements

2012 [Udacity](#)
Highest distinction for [CS373: Programming a Robotic Car](#) and [CS387: Applied Cryptography](#)
2010 [Google AI Challenge](#)
105th place (out of 4600 contestants)
2007 [ACM Central Europe Programming Contest in Prague, Czech Republic](#)
Finalist
2006 [Poznan Open 2006 – Team Programming Championship](#)
1st place in junior classification
7th place 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
Parallel computing	OpenMPI , CUDA, OpenCL
Virtualization	Xen, KVM, QEMU, VMWare, libvirt
Distributed systems	RPC, XML-RPC, RMI, CORBA, ICE
Environments	Vim, Eclipse
Others	Advanced algorithms and data structures