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| Curriculum Vitae | | |
| Personal information | | |
| Name: | | **Maciej Kruk** |
| Mobile: | | +48 604 255 256 |
| E-mail: | | [maciej.kruk@gmail.com](mailto:maciej.kruk@gmail.com) |
| Work Experience (references available upon request) | | |
| Jan 2012 – Aug 2012 | *Fujitsu Laboratories Ltd. in Kawasaki, Japan*  Combinatorial optimization | |
| July 2009 – Aug 2011 | *Institute of Nuclear Physics PAN in Krakow, Poland*  [Cloud system development](http://cc1.ifj.edu.pl/?lang=en) | |
| July 2010 – Sept 2010 | *ESISAR, Grenoble Institute of Technology in Valence, France*  Modelling and visualization of water flow in canal systems | |
| Aug 2008  Feb 2008  Sept 2007 | *CERN – European Organization for Nuclear Research in Geneva, Switzerland*  Optimization and implementation of regression and classification algorithms in [Toolkit for Multivariate Data Analysis](http://tmva.sourceforge.net/) 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 – | *AGH University of Science and Technology in Krakow, Poland*  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*](http://www.udacity.com/)  Highest distinction for [CS373: Artificial Intelligence](http://www.udacity.com/download_certificate/AMIfv96gsue1_a_ZkVBMxNM8-vcxcrhPRBaIX9L3uaRgx0r5weLfIgmzalwz9CODBXQ5Mz-k3zXghQ9tkUrZH2gJAiXek2OYWscdPOCse7P7xgcZ-IwhT82aQxgZTwbcJ5_Tlo9wC-SAA7L-itOtqmEpwFOf1iyFkQ) and [CS387: Applied Cryptography](http://www.udacity.com/download_certificate/AMIfv97AXI7hav13GJLqQ3210AjBgo7swICc_zU9MydaktuFDGavVpcmknJS6WbvllZUzsrj1VdLnq-zt4n9Jzxy-8XTKIxhBkHp9THfwXB9jnBLXeoWxlKJEBcdelcCmyxS4_W2qAKvisAa-fKzT7xbGyiso0kP7g) | |
| 2010 | [*2nd edition of Google AI Challenge*](http://planetwars.aichallenge.org/rankings.php)  105th place (out of 4600 contestants)­ | |
| 2007 | [*ACM Central Europe Programming Contest in Prague, Czech Republic*](http://contest.felk.cvut.cz/07cerc/rank.html)  Finalist | |
| 2006 | [*Poznan Open 2006 – Team Programming Championship*](http://2006.mwpz.poznan.pl/result.php#junior)  1st place in junior classification (7th in open classification) | |
| 2006 | [*XIII Polish Olympiad in Informatics*](http://www.oi.edu.pl/old/php/show.php?ac=p180603)  Finalist | |
| Skills and Competences | | |
| Foreign languages | Polish (native), English (fluent), Japanese (intermediate) | |
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| Programming | C/C++, Java, Python, others | |
| Graphics | OpenGL 3.3 | |
| Cloud computing | OpenNebula, Eucalyptus, Amazon EC2 | |
| Virtualization | Xen, KVM, QEMU, VMWare, libvirt | |
| Parallel computing | OpenMPI , CUDA, OpenCL | |
| Environments | Vim, Eclipse | |
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| Specializations and interests | Advanced algorithms and data structures, optimization, artificial intelligence, distributed systems, computer graphics. | |
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