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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 and formal verification |
| 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 |
| Aug 2008  Feb 2008  Sept 2007 | *CERN – European Organization for Nuclear Research in Geneva, Switzerland*  Optimization and implementation of regression and classification methods 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 – 2013  (expected graduation date) | *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: Programming a Robotic Car](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 | [*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 place 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 |
| Parallel computing | OpenMPI , CUDA, OpenCL |
| Virtualization | Xen, KVM, QEMU, VMWare, libvirt |
| Distributed systems | RPC, XML-RPC, RMI, CORBA, ICE |
| Environments | Vim, Eclipse |
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| Others | Advanced algorithms and data structures |