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| Curriculum Vitae | | |
| Personal information | | |
| Name: | | **Maciej Kruk** |
| Mobile: | | (+81) 80 3355 7017 (+48) 604 255 256  Japan Poland |
| E-mail: | | [maciej.kruk@gmail.com](mailto:maciej.kruk@gmail.com) |
| 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](http://cc1.ifj.edu.pl/?lang=en)). | |
| 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](http://tmva.sourceforge.net/) 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*](http://www.udacity.com/download_certificate/AMIfv96gsue1_a_ZkVBMxNM8-vcxcrhPRBaIX9L3uaRgx0r5weLfIgmzalwz9CODBXQ5Mz-k3zXghQ9tkUrZH2gJAiXek2OYWscdPOCse7P7xgcZ-IwhT82aQxgZTwbcJ5_Tlo9wC-SAA7L-itOtqmEpwFOf1iyFkQ)  Highest distinction | |
| 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)  40th place | |
| 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 speaker), English (fluent), Japanese (intermediate – JLPT N3 certificate) | |
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| 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 | |
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| Specializations and interests | Advanced algorithms and data structures, artificial intelligence, computer graphics, distributed systems | |