

Maciej Kruk | Curriculum Vitae

Jagodowa 1 – 32-551 Babice – Poland

☎ +48 604 255 256 • ✉ maciej.kruk@gmail.com •  maciejkruk

Experience

u2i LLC

Senior Developer

Krakow, Poland/New York, USA

Oct 2012–Nov 2013

Developed a web application and its backend as part of an Agile team working for a start-up company recently acquired by the largest TV audience monitoring company in the world. Personal responsibilities included design and development of a robust and scalable data collection system (currently processing 1 GiB of data per minute), performing real-time and aggregated data analytics and managing the associated infrastructure while working closely with the client on both technical side and business logic.

Fujitsu Laboratories Ltd.

Algorithmic Researcher, Vulcanus in Japan Programme

Kawasaki, Japan

Jan 2012–Aug 2012

Worked on projects involving combinatorial optimization, formal verification, natural language processing and high-frequency trading. Details confidential.

ESISAR, Grenoble Institute of Technology

Software Developer, LLP ERASMUS programme

Valence, France

July 2010–Sept 2010

Developed an application for water flow modelling and visualization using Lattice-Boltzmann methods in 2D and 3D.

Institute of Nuclear Physics PAN

Software Engineer

Krakow, Poland

July 2009–Aug 2011

Designed and developed a private cloud computing system. System currently manages 600 CPU cores and is used mainly for processing the data from CERN's Large Hadron Collider.

CERN - European Organization for Nuclear Research

Software Developer, Summer job

Geneva, Switzerland

Sept 2007, Feb 2008, Aug 2008

Optimized and implemented regression and classification algorithms in Toolkit for Multivariate Data Analysis.

Institute of Nuclear Physics PAN

Software Developer, Summer job

Krakow, Poland

June 2007–Sept 2007

Prepared a tool for multidimensional event classification for ATHENA detector at CERN.

M&I Doradztwo Inwestycyjne

Web Developer

Krakow, Poland

July 2007–Oct 2007

Designed, developed and maintained a company website.

Education

AGH University of Science and Technology

Magister (Master of Science)

Krakow, Poland

2011–2013

Computer Science

Specialization: Interactive Systems and Visualization Methods

AGH University of Science and Technology

Inżynier (Engineer)

Krakow, Poland

2007–2011

Computer Science

Personal Achievements

ACM Central Europe Programming Contest

Finalist

Krakow, Poland

2012

ACM Central Europe Programming Contest*Finalist***Prague, Czech Republic***2007***Poznan Open 2006 – Team Programming Championship***1st place in junior classification, 7th place in open classification***Poznan, Poland***2006***XIII Polish Olympiad in Informatics***Finalist***Sopot, Poland***2006*

Languages

Polish: Native**English:** Fluent**Japanese:** Intermediate*Japanese Language Proficiency Test N3, Dec 2012*

Skills and Competences

Programming: C/C++, Java, Ruby**Data processing:** MySQL, Redis, Kestrel, Hive, Hadoop**Infrastructure:** Opscode Chef, Amazon Web Services, Pacemaker**Web development:** Ruby on Rails, CSS, HTML, REST**Environments:** Vim, Emacs, Eclipse, Visual Studio 2012**Operating systems:** Linux, OS X, Windows**Others:** Agile methodology, Scrum, Test-driven development, Git**Specialty:** Advanced algorithms and data structures

Interests

Travel, literature, skiing, technology.