

Maciej Kruk | Curriculum Vitae

Jagodowa 1 – 32-551 Babice – Poland

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Experience

u2i LLC

Software Engineer

Developing a web application and its backend as part of an Agile team. Personal responsibilities included design and development of a robust and scalable data collection system, performing data analytics and managing the associated infrastructure while working close with the client.

Krakow, Poland

Oct 2012–Present

Fujitsu Laboratories Ltd.

Algorithmic Researcher, Intern, Vulcanus in Japan Programme

Combinatorial optimization, formal verification, natural language processing

Kawasaki, Japan

Jan 2012–Aug 2012

ESISAR, Grenoble Institute of Technology

Software Developer, Intern, LLP ERASMUS programme

Water flow modelling and visualization using Lattice-Boltzmann methods in 2D and 3D.

Valence, France

July 2010–Sept 2010

Institute of Nuclear Physics PAN

Software Engineer

Design and development of a private cloud system.

Krakow, Poland

July 2009–Aug 2011

CERN - European Organization for Nuclear Research

Software Developer, Summer job

Regression and classification algorithms optimization and implementation in Toolkit for Multivariate Data Analysis.

Geneva, Switzerland

Sept 2007, Feb 2008, Aug 2008

Institute of Nuclear Physics PAN

Software Developer, Summer job

Preparing a tool for multidimensional event classification for ATHENA detector at CERN

Krakow, Poland

June 2007–Sept 2007

Education

AGH University of Science and Technology

Master of Science

Computer Science

Specialization: Interactive Systems and Visualization Methods

Krakow, Poland

2011–2013

AGH University of Science and Technology

Engineer

Computer Science

Krakow, Poland

2007–2011

Languages

Polish: Native

English: Fluent

Japanese: Intermediate

Japanese Language Proficiency Test N3, Dec 2012

Skills and Competences

Programming: C/C++, Java, Ruby, Python

Web development: Ruby on Rails, CSS, HTML

DevOps: Chef, Amazon EC2, S3, RDS, OpsWorks, Pacemaker

Environments: Vim, Emacs, Eclipse, Visual Studio 2012

Operating systems: Windows, Linux, OS X

Others: Git, SVN, \LaTeX , Agile methodology

Specialty: Advanced algorithms and data structures

Interests

Travel, literature, skiing, technology.