Stanisław Jastrzębski

BsC Computer Science

✉ *stanislaw.jastrzebski@uj.edu.pl*
Born: 7 July 1992, Cracow, Poland

Work experience

11.2014 – NOW **WIDE.IO**, *remotedly*,
Junior SDE.
- Distributed hash table for p2p computing HTML5/JS framework.

07-09.2014 **Microsoft**, *USA, Redmond*,
SDE Intern, Operating Systems.
- Design and development of novel Windows10 APIs
- Developed solutions possibly affecting huge amount of users

07-09.2013 **WIDE.IO**, *UK, London*,
SDE Intern.
- Designed GPU neural network framework
- Designed dataset manipulation language
- Distributed computing engine

Education

2014 - **Jagiellonian University**,
Faculty of Mathematics and Computer Science ,
MsC Computer Mathematics, MsC Computer Science, tutor: Ph.D. Igor Podolak.

2011 - 2014 **Jagiellonian University**,
Faculty of Mathematics and Computer Science ,
BsC Computer Science (Individual Program), 5.0 (top 3/103), tutor: Ph.D. Igor Podolak.

Main skills

Statistical machine learning, deep learning, natural language processing

Software engineering, **software architecting**

Artificial intelligence techniques (robotics)

Big data, distributed programming (Hadoop, Akka, Spark), distributed algorithms

Programming languages

Advanced C++ (boost, C++11), Python (scikit-learn, numpy, theano, pandas)

Medium R, Scala (Akka, Spark), C#

Basic Java, Android, JS/JQuery/CoffeeScript

Activities

2012 - now **Jagiellonian GMUM research group**, *scientific collaborator as BsC student*, http://gmum.ii.uj.edu.pl/.
- Programmer for National Research Grant "Novel active learning querying strategy for the machine learning models"
- *"Density invariant detection of osteoporosis using Growing Neural Gas"* publication Springer 2013, Ph.D. Igor Podolak, Stanisław Jastrzębski

2013-2014 **National Robotics Competition KrakRobot 2014**, *www.krakrobot.pl*
Organizing Committee.
- Main organiser
- Head of online qualifications (24 teams, simulator task)

2013-2014 **Jagiellonian Student Robotics Association**,
vice-president.
- organizing workshops, fundraising, leading projects

Achievements

2014 **kaggle.com**, Tradeshift Competition, 4th place (out of 370 teams)

2013 **Microsoft Imagine Cup**, Video Pitch Challenge, Honorable Mention (team leader)

2013 **National Robotics Competition Krakrobot**, 2nd place (team leader)

2012, 2013, 2014 **Jagiellonian University Rector's Scholarship**

Projects

R, C++ **GMUM.r**, *Project maintainer and technical leader*,
Machine learning algorithms designed at GMUM implemented as R package. 12 students and 2 PhD coordinators.

Python, Scala, Akka, Neo4j **Ocean**, *Team leader*,
Distributed news recommendation and tagging system. Group of 5 students. https://github.com/OceanVision/ocean.

R, C++ **Growing Neural Gas** ,
Efficient online clustering algorithm implementation as R package. *https://github.com/kudkudak/Growing-Neural-Gas* .

Python, QT **KrakRobot 2014 Simulator**,
Robotics simulator prepared for National Robotics Competition Krakrobot 2014 eliminations. The contestants were faced with task of maneuvering in a maze with variable sensor accuracy and clues.

Online Education

- Web Intelligence and Big Data, Coursera.org
- Artificial Intelligence, Berkeley, edx.org
- Control of Mobile Robots, Coursera.org, Georgia Institute of Technology
- Algorithms and Data Structures I and II, Coursera.org, Stanford
- Natual Language Processing, Coursera.org
- Programming Mobile Application for Android Handheld Systems, Coursera.org, certified
- Discrete Inference and Learning in Artificial Vision , Coursera.org
- Image and video processing: From Mars to Hollywood with a stop at the hospital , Coursera.org

Languages

English **Fluent** *Cambridge Advance Certificate*

Spanish **Basic**

Hobbies

piano, sailing, robotics, mathematics, artificial intelligence, sci-fi books