

Pawel Cislo

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QUALIFICATIONS PROFILE

Dedicated and innovative MSc Data Scientist with related education, practicum, and experience to contribute to long-range operational objectives. Available for consulting and contract work, worldwide/remotely. Fluent in English and Polish, with basic proficiency in German.

Enthusiastic about analysing large amounts of raw information in order to pinpoint patterns that help advance company mission. Demonstrated excellence in critical thinking and problem solving. Proven ability to research and develop statistical learning models for successful data analysis.

In free time enjoys blogging, music production, photography, researching technological news, and participating in communities that discuss the IT industry.

- **Programming Languages:** Python, R, C++, C#, Java
 - **Web Development:** HTML, CSS, PHP, JavaScript
 - **Integrated Environments:** Visual Studio, IntelliJ IDEA, Jupyter Notebook, Spyder, Weka, MATLAB, Git
 - **Databases:** SQL, NoSQL, SAP HANA, Microsoft SQL Studio, Enterprise Architect
 - **Media Editors:** Adobe Photoshop, Adobe After-Effects, Fruity Loop Studio
 - **Operating Systems:** Windows, Windows Server, UNIX/Linux
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EDUCATIONAL BACKGROUND

Master of Science in Data Science and Computational Intelligence (Awarded with Distinction)

Coventry University, Coventry

Activities: course representative, Global Leaders Programme member, media presence

Bachelor of Science (Hons) in Information Technology (1st Class Degree)

Coventry University, Coventry

Bachelor of Science (Hons) in Information Technology & Econometrics (1st Class Degree = GPA 4.5)

University of Information Technology & Management, Rzeszow

Activities: scientific club of new programming technologies, group leader, media presence

Certificates

Python for Data Science and Machine Learning Bootcamp | Data Science Essentials

MTA Security Fundamentals | MTA Software Development Fundamentals

MTA Database Administration Fundamentals | Online Marketing Fundamentals

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EXPERIENCE HIGHLIGHTS

The AKKAdeMy, Geneva – Switzerland, Brussels – Belgium

International Engineering Consultant, 2018 – present

- Specialised in consulting AKKA Technologies clients in Brussels, within the domains of Software Engineering & Data Science.
- Received 1-month training in Geneva on consulting in the engineering field.
- Delivered innovation project in a team, with a full business plan and final presentation to a jury.

University of Information Technology & Management, Rzeszow - Poland

Database Analyst, 2015 – 2016

Remained committed to upholding the integrity of all data, data storage, and data access methods. Worked together with management and stakeholders in order to understand the structure and policies of operations, and recommend the best and most effective solutions.

- Planned, created, and manipulated the structure of databases using Microsoft Access.
 - Analysed data using Microsoft Excel, and prepared information for reports using Microsoft Word.
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PROJECTS

Automated Image Analysis of Micrographs, 2018

Developed automation system for image analysis process which can characterise biomedical scans rapidly.

- Generated features, such as the distribution of grains, area fraction and interparticle distances.
- Improved currently applied methods from thirty minutes of error-prone results to one minute of high accuracy data (images, plots, tables).
- Encoded the entire workflow in a GUI to provide the highest ease of use and let the user predefine the analysis parameters, for example, to specify the desired particle segmentation.
- Tested multiple options (Python, ImageJ, MATLAB) and algorithms (auto-thresholding, machine learning) to find the best possible application for the specified user and system requirements.
- Collaborated with a client and research department of the university to define the requirements and get vital feedback at the time of the system development.

Advancement of Convolutional Neural Networks for Image Classification, 2018

Excelled at literature review, dataset description, experimental setup explanation, use of three variations of neural networks, data augmentation, and data visualization.

- Improved regular Convolutional Neural Networks by modifying structure and testing the effectiveness on the classification of CIFAR-10 classified dataset of images.
- Improved the accuracy of general CNN by 10 percent.
- Produced a report that explains the project and code in depth.
- Published an open-source code so that it could be improved upon and tested by potential researchers.