

Maciej Rybczyński

Ph. D, D. Sc.

Data scientist with 25+ years of experience in advanced Big Data analysis and high-performance data processing systems. Cybersecurity enthusiast focused on network security. Interested in zero-trust and defense of depth (DoD) solutions that strongly rely on cryptography technology and complex security segmentation.

CONTACT

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SKILLS

Advanced:

- ✓ Data science
- ✓ Databases
- ✓ Networking
- ✓ Python, SQL
- ✓ High-Performance Computing

Basic:

- ✓ C++, shell scripting
- ✓ Wolfram MATHEMATICA
- ✓ Linux/Unix
- ✓ Windows Server
- ✓ Neural networks
- ✓ Parallel computing

LANGUAGES

English – fluent

German, Russian – basic

Polish – mother tongue

I consent to the processing of my personal data contained in my job offer for the purposes necessary to carry out the recruitment process.

PROFESSIONAL CAREER

- ✓ **Since 2023: Professor**
Institute of Physics, Jan Kochanowski University of Kielce, Poland
- ✓ **2023: Professor of Physical Sciences**
- ✓ **2016 – 2023: Associate Professor**
Institute of Physics, Jan Kochanowski University of Kielce, Poland
- ✓ **2014: Habilitation in Physics**
Institute of Physics, Jan Kochanowski University of Kielce, Poland
Specialization: High-Energy Physics
- ✓ **2006 – 2016: Assistant Professor**
Institute of Physics, Jan Kochanowski University of Kielce, Poland
- ✓ **2006: Doctoral Degree in Physics** (with distinction)
National Centre for Nuclear Research in Warsaw, Poland
Specialization: High-Energy Physics

PROFESSIONAL SERVICES

- ✓ Jan Kochanowski University Senate Member (2016 – 2024)
- ✓ Deputy director for research of the Institute of Physics, Jan Kochanowski University (2016 – 2024)
- ✓ Head of the Computer Physics and IT department, Jan Kochanowski University (2016 – now)
- ✓ Head of Center for Computation and Computational Modeling of the Jan Kochanowski University (2021 – now)
- ✓ Author and co-author of about 200 scientific publications
- ✓ Speaker at 80 international conferences and workshops
- ✓ Principal investigator and researcher in 15 international and national research grants
- ✓ Supervised dozens of bachelor's, master's, and Ph. D students

COURSES

- ✓ Cybersecurity Red Team Specialist (Lodz Univ. of Techn./HackerU)
- ✓ Cybersecurity Blue Team Bootcamp (Jagiellonian Univ./HackerU)
- ✓ IBM Data Science (IBM)
- ✓ Deep Learning (DeepLearning.AI)
- ✓ Python for Everybody (Univ. Of Michigan)
- ✓ Python Programming (Wesleyan Univ.)
- ✓ Introduction to Cybersecurity (New York Univ.)
- ✓ Machine Learning (Stanford Univ.)
- ✓ Databases for Data Scientists (Univ. of Colorado)
- ✓ CCNA Exploration (CISCO Academy)

ADDITIONAL INFO

- ✓ Multiple, a month – a few months research stays at the European Organization for Nuclear Research (CERN) near Geneva; participation in the NA49 and NA61/SHINE experiments (data collection and big data analysis). Total stay is about 4 years from 2002 to 2025
- ✓ 13 Prizes of the Rector of Jan Kochanowski University in the years 2003 – 2025
- ✓ Hobbies: learning, solving puzzles, hiking, computer games