

ANNA BRYNIARSKA

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Nationality:

Polish

Date and place of birth:

24.04.1986 r. Opole

WORK EXPERIENCE

2022 – now **Court expert at the District Court in Opole**

Scope: **computer science** with a specialization: research of IT databases, obtaining information from databases, analysis of programs in cases of copyright infringement, analysis of source codes of programs and websites

10.2015 – now **Opole University of Technology**

Position: Assistant professor

Courses: Artificial Intelligence Tools, Basics of databases, Database Applications, Internet Techniques, Software Engineering, etc.

10.2014 – 09.2015 **University of Opole**

Position: Assistant

Courses: Web design, computer architecture, system engineering and system analysis

10.2010 – 09.2014 **Opole University of Technology**

Conducting didactic classes (as part of professional internships at doctoral studies and on a commission contract)

Courses: Artificial Intelligence Tools, IT II, Internet Techniques, Software Engineering, Operating Systems

08.2010 – 12.2013 **Netkoncept.com sp. j.** Opole, ul. Partzancka 7

Position: computer programmer

Position: IT project manager (from 01.2013)

04.2009 – 07.2010 **Cross Sp. z o.o.** branch in Opole, ul. Katowicka 39

Position: IT specialist, Department: Analyzes and Tests

09.2006 – 11.2006 **Opolgraf S. A.** Opole, ul. Niedzialkowskiego 8-12

Entering data into the computer regarding the records of the working time of production employees

EDUCATION

2022 – 2023 Postgraduate studies - **Accounting and Finance**

Higher School of Management and Administration in Opole

2013 – 2014 Postgraduate studies – **Pedagogical Preparation**

WSB University in Wrocław, Faculty of Economics in Opole

2010 – 2014 PhD degree studies at the Opole University of Technology (PhD)

Automatics and Robotics, Supervisor: professor Anna Walaszek-Babiszewska,

Dissertation topic: Intelligent searching of diagnostic knowledge using fuzzy descriptive logic on the example of a selected class of diagnosed objects

Defense of the doctoral dissertation on December 11, 2014

2005-2010 Master's Degree at Opole University of Technology (MSc eng.)

Computer Science specialization: Computer networks and database systems

Topic of work: Educational program for learning spatial geometry

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AI EXPERIENCE

Fuzzy logic

- Co-author of a book: "Fundamentals of the theory of fuzzy systems with tasks" (in Polish). Book of A. Walaszek-Babiszewska, A. Bryniarska, ISBN 978-83-66033-054-4, OW Opole University of Technology, Opole 2018.
- Small programs used to work with students in class in Matlab

Semantic Web

- PhD thesis – implementation of semantic web for diagnostic system (Protégé, owl, java)
- Project member in the 4th CyberSecIdent competition entitled System for assessing and monitoring the level of cybersecurity of IoE / IoT devices of citizens of the Republic of Poland CyberEva 2021-2024 - (Protégé, owl, rdf, Python script implementation)

Machine learning and neural network

- Binary classification of the EEG signal - project with scientists from the USA - **Python script implementation** (Naive Bayes, Support Vector Machines, Logistic Regression, Decision Trees, K-Nearest Neighbours, Random Forest, Gradient Boosting, Deep neural network - TensorFlow)
- Machine learning algorithms implementation in CyberEva project (Python)
- Small programs used to work with students in class

ADDITIONAL INFORMATION

Computer skills

- Knowledge of **Python**, C/C++/C#, Java programming languages
- **Website** editing, including the use of HTML, XML, PHP, MySQL, AJAX, CSS, JavaScript and others
- Matlab, Operation of computer **databases** etc.
- Microsoft **Office**: Word, Excel, Outlook Express, Power Point

Foreign language

- English - advanced level, CAE certificate (2008)

Skills

- Ease of establishing interpersonal contacts
- Ability to work in a group
- Ease of organizing time and work
- Ability to learn quickly and teach others
- Ability to organize scientific work and conduct research work

Other

- Driving license category B since 2005 (continuous practice)

Hobby

- Travel and Dance