Name	Halyna Trush
Position, Department/Faculty	Associate Professor, Department of Software Engineering/Faculty of Software Engineering and Business
Academic Degree, Academic Title	PhD of Information Techologies
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Scopus Author ID:	
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Google Scholar:	https://scholar.google.com/citations?user=38iYIGsAAAAJ
ResearchGate:	

EDUCATION:
Basic education (university, major, year of graduation):

2005 – 2007 - Master's degree Kharkiv National Aerospace University named after N.E. Zhukovsky "KhAI", qualification of Researcher (Programming) in the specialty "Software for Automated Systems".

Postgraduate/Doctoral studies:
2010 - PhD, Candidate of Technical Sciences on the topic "Oriented informational support technology of the multi-objective production decisions during the engineering industry an uncertain environment" in the specialty "Information Technologies".

Additional training, certification programs:
2025 - Certificate "Google Advanced Data Analytics Professional". Course: "Foundations of Data Science"; "Get Started with Python"; "Go Beyond the Numbers: Translate Data into Insights"; "The Power of Statistics"; "Regression Analysis: Simplify Complex Data Relationships", The Nuts and Bolts of Machine Learning, Google Advanced Data Analytics Capstone.
2025 - "Teachers Smart Up: Summer Edition 2025" at Sigma Software University.
2024 - "Data Science Course" at Sigma Software University.
2023 - Professional development course: "Artificial Intelligence - The Future of Education". Ministry of Digital Transformation of Ukraine at " Prohresylni".

WORK EXPERIENCE:

Professional Career (Workplace, Years, Position):
2010 – Until now
Docent in the Department of Software Engineering at National Aerospace University "KhAI".
2012 – 2014
Deputy Dean for the Software Engineering specialization at National Aerospace University "KhAI".
 - Student mentorship and engagement.

- Monitoring of academic progress.
- Development of reports and visualizations on student performance based on exam session results.
- Organization of student events and activities.

Teaching Experience:
- Conducted lecture and practical classes in Fundamentals of Programming, Discrete Structures, Artificial Intelligence, and Cloud Computing and other.
- Supervised bachelor's and master's diploma with data/AI components.
- Managing the department's social media (Facebook page, department website).
- Conducted programming workshops for high school students and held workshops for school and college teachers.
- Worked as Deputy Dean and participated in admissions coordination.

RESEARCH ACTIVITIES:

Main Research Areas:
Artificial intelligence, LMM, neural networks, Data Analysis, Data Science.

Number of Publications (Scopus, WoS, others):
Over 15 scientific publications

Monographs, Textbooks:

Participation in Scientific Conferences:
Regular participant and speaker at international and national scientific conferences

TEACHING ACTIVITIES:

Courses Taught:
Discrete Structures, Fundamentals of Programming, Artificial Intelligence, and Cloud Computing and other.

Author Courses, Academic Programs:
Cloud computing, Visual programming and others.

Methodological Materials, Textbooks:
Co-author of textbooks in the field of software engineering

PROFESSIONAL ACHIEVEMENTS AND AWARDS:

Membership in Professional Associations:
Ukrainian Scientific and Educational IT Society

ADDITIONAL INFORMATION:

Language Proficiency:
Ukrainian — Native, English — [Intermediate]

IT Skills:
Programming: Python (libraries Numpy, pandas, matplotlib and others); C++; C#; Java Script; Assembler
Databases: MS SQL
Data Visualization: Tableau
Office tools: Word; Excel; PowerPoint