**CURRICULUM VITAE**

**DSc, professor, Kateryna Osadcha**
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| **Summary of Qualifications** | 15 years of experience as a University Teacher of Computer Science, Bogdan Khmelnitsky Melitopol state pedagogical university (Ukraine). 23 years of experience in the field of distance technologies and e-learning.<br><br>Member of the "Women Techmakers program" (Since 2016), "Tutoring association of Ukraine" (Since 2017), Computer Science Teachers Association (Since 2019), ACM (Since 2022), Digital Theme Ambassador UK-Ukraine Twinning Initiative (Since 2023), European Digital Education Hub (Since 2023).<br><br>Reviewer of scientific research in journals in Spain, United Kingdom, Canada, Ukraine<br><br>Scopus Author ID – 57198803878, WoS ResearcherID – L-5268-2016, ORCID iD – 0000-0003-0653-6423 |
| **Present and Prior working experience** | 2023 - till now – Researcher of the Centre for Excellent IT Education, Norwegian University of Science and Technology (Norway)<br><br>2023 – Member of Digital Skills Squad (European Commission)<br><br>2021-2023 – professor of the Department of Computer Science and Cybernetics, Bogdan Khmelnitsky Melitopol state pedagogical university (Ukraine)<br><br>2021 - till now – Member of Sectoral Expert Council 01 Pedagogy at National Agency for Quality Assurance in Higher Education (Ukraine)<br><br>2011-2021 – Associate professor of the Department of Computer Science and Cybernetics, Bogdan Khmelnitsky Melitopol state pedagogical university (Ukraine)<br><br>2012-2015 – Director of Distance Learning Center, Bogdan Khmelnitsky Melitopol state pedagogical university (Ukraine)<br><br>2008-2011 – assistant and senior lecturer of the Department Computer Science and cybernetics, Bogdan Khmelnitsky Melitopol state pedagogical university (Ukraine)<br><br>2005-2010 – Software Engineer Information Computer Center, Melitopol state pedagogical university (Ukraine)<br><br>2000-2005 – laboratory assistant of the Department of General Pedagogy, Melitopol state pedagogical institute (Ukraine) |

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| **Education** | 2023 – Master of Design, Taras Shevchenko National University of Luhansk<br><br>2020 – Dissertation for a DSc degree "Theoretical and methodological fundamentals of vocational training of future teachers for tutoring"<br><br>2018-2020 – Master's Degree in Philology (Germanic languages and literature), Bogdan Khmelnitsky Melitopol state pedagogical university<br><br>2010 – Dissertation for a PhD degree "Professional competence of computer science teachers' formation in the process of special disciplines' study"<br><br>2008 – Master's degree in Computer Sciences, Taurida V.I. Vernadskiy National University<br><br>2006 – Bachelor's degree in Applied Mathematics, Melitopol State Pedagogical University<br><br>2000 – Master's degree in Ukrainian Language and Literature, Melitopol State Pedagogical Institute |
| **Professional qualifications** | - lecturer of Computer Science<br>- designer of graphic works, lecturer of higher education institutions<br>- programmer, mathematician<br>- teacher of Ukrainian language and literature |
| **Additional education** | 2022-2023 – University of Konstanz, Germany (Visiting Fellowships)<br><br>2020 – Higher School of Foreign Languages, Poland (Certificate of advanced training)<br><br>2019-2020 – Zaporizhzhya National University, Ukraine (Certificate of advanced training)<br><br>2017 – course Learn English Pathways, British Council, Ukraine<br><br>2016 – West Finland College, Finland (Certificate of English course, Certificate of scientific internship to master the project approach in the educational process)<br><br>December 2014-October 2015 – Sofia Technical University, Engineering and Pedagogical Faculty, Bulgaria (internship)<br><br>2012 – Faculty Development Workshop, Microsoft Faculty Fellow, Ukraine (Certificate of Microsoft Technology Enriched Instruction) |
| **Academic work** | – Delivering lectures and conducting laboratory classes at the Department of computer science and cybernetics: Software Testing & Software QA, PC Software, Web Programming, Operating systems, Python programming, Introduction of programming, Computer Networks, Internet Basics, Office Computer Technologies, Computer Graphics, Introduction to Digital Design, Computer design of advertising, Basic scientific research, Tutoring in education, Theory and methods of vocational education and others.<br>– Planning, preparing, and delivering lessons including computer science courses |

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| | – Assessing students strengths and weaknesses and planning teaching instructions<br>– Developing and delivering lectures in easy-to-understand way<br>– Preparing teaching materials<br>– Conducting research in the field of information technology, programming and application of information and communication technologies in education<br>– Review of scientific publications<br>– Organization of scientific conferences, seminars, methodological trainings, advanced training |
| **Languages** | Ukrainian, Russian (native speaker)<br>English (intermediate)<br>Polish (pre-intermediate) |
| **Skills** | *Summary of Skills:*<br>– Strong experience and potential in teaching information technology<br>– Knowledge of the basic principles of pedagogical work in higher, professional and secondary school<br>– Impeccable analytical, organizational, and technical skills<br>– Impressive verbal and written communication skills<br>– Outstanding abilities in teaching variety of Computer Science and Computer Graphics courses<br>– Remarkable abilities in working with Video Conferencing equipment<br>– Experience of development educational courses, including distance learning courses<br>– Ability to work in a team<br>– Experience of research and participation in educational projects<br><br>*Digital Skills:*<br>– Content management systems: Moodle, edX, Joomla, DLE, Wordpress<br>– Web development: HTML, CSS<br>– Languages: Python<br>– Operating systems: Linux, UNIX, Windows<br>– Application software: Microsoft Office, LibreOffice, Adobe Photoshop, Adobe Illustrator, Adobe InDesign, GIMP, CorelDRAW, After Effects, IDE, Unified Modeling Language tools, massagers, video conferencing systems, browsers, antivirus software, video editors, digital photography and others<br>– Internet services, cloud technologies |

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| **Scientific projects** | Since February 2023 – "MOOC-based micro-credentials for teacher professional development project" (ERASMUS+)<br><br>2022-2023 – "Ukraine digital" (German Academic Exchange Service project)<br><br>2020-2022 – "Adaptive system for individualization and personalization of professional training of future specialists in the conditions of blended education" (Ministry of Education and Science of Ukraine)<br><br>2017-2020 – "System of training future specialists in computer sciences and information technologies for professional activity" (Ministry of Education and Science of Ukraine)<br><br>2018-2019 – "Accounting and monitoring of bird migration in the Azov-Black Sea region of Ukraine" (Ministry of Education and Science of Ukraine)<br><br>2015-2016 – "Intellectual system of information and cognitive support for the functioning of the National Framework of Qualifications" (Ministry of Education and Science of Ukraine) |
| **Publications** | **Osadcha K.P,** Osadchyi V. V., Kruglyk V. S., Spirin O. M.. (2022). Digital Drawing and Painting in the Training of Bachelors of Professional Education: Experience of Blended Learning. In Digital Humanities Workshop (DHW 2021). Association for Computing Machinery, New York, NY, USA, 141–147. https://doi.org/10.1145/3526242.3526245<br><br>**Osadcha K.**, Osadchyi V., Kruglyk V., Spirin O. (2021). Modeling of the adaptive system of individualization and personalization of future specialists' professional training in the conditions of blended learning. *CEUR Workshop Proceedings*, 3104, 43-54. URL: http://ceur-ws.org/Vol-3104/paper138.pdf<br><br>**Osadcha K. P.**, Osadchyi V.V., Spirin O. M. (2021). Current state and development trends of E-learning in China. *Information Technologies and Learning Tools*, 80(6), 207-221. https://journal.iitta.gov.ua/index.php/itlt/article/view/4399<br><br>**Osadcha K.**, Varina H., Osadchyi V., Shevchenko S., Bulakh I. (2021). Specific features of the use of augmented reality technologies in the process of the development of cognitive component of future professionals' mental capacity. *Journal of Physics: Conference Series*, 1946, 012022. https://iopscience.iop.org/article/10.1088/1742-6596/1946/1/012022<br><br>**Osadcha K.,** Koniukhov S. (2020). Implementation of education for sustainable development principles in the training of future software engineers. *The International Conference on Sustainable Futures: Environmental, Technological, Social and Economic Matters* (ICSF 2020). E3S Web of Conferences, 166, 10035. https://doi.org/10.1051/e3sconf/202016610035<br><br>**Osadcha K. P.**, Sysoeva S. O. (2020). Formation of the tutor ICT-competence in the process of future teachers' professional training. *Information Technologies and Learning Tools*, 80(6), 207-221. https://doi.org/10.33407/itlt.v80i6.4182<br><br>**Osadcha K.**, Chemerys H., Osadchyi V., Kruhlyk V. (2019). Increase of the Level of Graphic Competence Future Bachelor in Computer Sciences in the Process of |

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| | Studying Three-Dimensional Modeling. ICT in Education, Research and Industrial Applications. *Integration, Harmonization and Knowledge Transfer*, 2393, 17-28. Retrieved from http://ceur-ws.org/Vol-2393/paper_378.pdf<br><br>**Osadcha, K.P.,** Osadchyi V.V., Yeremieiev V.S. (2017). The model of intelligence system for the analysis of qualifications frameworks of European countries. *International Journal of Computing*, 16, 133-142. Retrieved from http://computingonline.net/computing/article/view/896<br><br>**Osadcha, K.P.,** & Hromyshev, A.V. (2016). Analysis of developing algorithms methods for solving mathematical problems by means of Python language. *Information processing systems*, (2), 114-117. Retrieved from http://www.hups.mil.gov.ua/periodic-app/article/16231/eng<br><br>**Osadcha, K.P.,** & Osadchy, V.V. (2015). Modern realities and trends of information and communication technologies development in education. *Information Technologies and Learning Tools*, 4(48), 47-57 |
| **Volunteer experience** | Volunteer FIRST LEGO League (Since 2019), Online Volunteer UNV programme (Since 2017), Volunteer Wikipedia (Since 2010),Coordinator of the #GirlsSTEM project (Since 2018) |
| **Patents** | 25.12.2012 – The computer system of students' knowledge rating assessment (Ukraine № 75943) |