

PERSONAL INFORMATION



Name: Nešad Krnjić

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Gender: Male | Date of birth: 14.09.1970. | Place of birth: Zagreb | Citizenship: BiH

WORK EXPERIENCE

- (2022 -) **Associate Professor, PhD, in Information Systems**
University of "VITEZ" in Travnik, www.sveuciliste.unvi.edu.ba
- (2024 -) **Professor of Computer Science**
Mješovita srednja škola Travnik
- (2007- 2024) **Professor of Computer Science**
Mješovita srednja tehnička škola Travnik
- (2018 - 2022) **Senior teaching assistant in software engineering**
University of "VITEZ" in Travnik, www.sveuciliste.unvi.edu.ba

EDUCATION AND TRAINING

- (2018 - 2022) **Ph.D. in Computer Science**
University of "VITEZ" in Travnik, Bosnia and Herzegovina
- Main subjects, occupational skills covered: Information systems, e-learning, doctoral dissertation: "The effects of teacher interaction in secondary education and E-learning management systems".
- (2017 - 2018) **Master's degree in Computer Science**
University of "VITEZ" in Travnik, Bosnia and Herzegovina
- Main subjects, occupational skills covered: Information systems, software engineering, Web design, databases, e-learning, Master's Thesis: "Information system for supporting the improvement of education quality".
- (2017 - 2018) **Bsc., Bachelor in Computer science**
University of "VITEZ" in Travnik, Bosnia and Herzegovina
- Main subjects, occupational skills covered: Software engineering, development methodologies, object-oriented programming, Bachelor's thesis: "Tracking software requirements in design".
- (2005 - 2007) **Bsc., Bachelor in Electrical engineering**
Transport and Technical engineering college, Dobož
- Main subjects, occupational skills covered: Digital electronics and digital circuits, signal and systems analysis, power electronics, microprocessors and microcontrollers, programming.
- (2001 - 2005) **Electrical engineer**
Technical engineering college, Bihać
- Main subjects, occupational skills covered: Electronics, digital circuits, automatic control systems, signal and systems analysis, power electronics, microprocessors and microcontrollers, programming.

PERSONAL SKILLS

Native language
Other languages

Bosnian

UNDERSTANDING		SPEECH		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B1

English

Communication skills

- I have developed excellent communication skills through years of experience working as a high school and university professor.
- Throughout my career, I have had the opportunity to work on many projects where effective communication was crucial to achieving goals. In these projects, I was often responsible for coordinating team members, leading meetings, and presenting results to colleagues and students.
- My skills include clear and precise information delivery, active listening, and adapting communication to different audiences – from high school students to academic peers.
- Through my work in the education sector, I maintain regular two-way communication with students, encouraging open discussions and critical thinking, which contributes to better understanding and success in learning. My communication skills are especially evident in mentoring, where I provide support to students in developing their ideas and projects, guiding them through the process of research and analysis.

Organizational and managerial skills

- Through years of experience in education and managing various projects, I have developed the ability to effectively plan, manage time, and coordinate activities—enabling me to successfully handle complex tasks and teams.
- As a professor, I am often responsible for creating detailed teaching plans and schedules, ensuring that all educational content is adequately covered and tailored to the diverse needs of students. In addition, I successfully organize and lead seminars, workshops, and student projects, striving to clearly define tasks, optimally allocate resources, and ensure deadlines are met.
- My managerial skills are particularly evident in leading team projects, where I am responsible for coordinating among team members, tracking progress, and managing the projects. These skills include task delegation, team motivation, and decision-making in dynamic environments. My management experience also allows me to effectively resolve conflicts and challenges.
- Flexibility and attention to detail are key elements of my organizational skills, allowing me to manage multiple activities simultaneously, balancing between teaching obligations, administrative tasks, and additional projects. This ability to manage various tasks and resources results in high-quality work and the achievement of goals within deadlines.

Business skills

- The ability to take an analytical approach to problems and find effective solutions.
- Quick and efficient decision-making based on available information (e.g., on teaching methods, resource allocation, or project management strategies).
- The ability to lead teams, inspire, and motivate others to achieve common goals.
- Proficiency in using technology and software tools relevant to education and management.
- The ability to identify and resolve conflicts within a team or between individuals in a constructive manner that leads to a positive outcome.
- The ability to quickly adapt to new situations, technologies, or changes in the environment.
- The ability to analyze data, situations, or problems and draw well-founded conclusions.

Driver's license

- Categories: B1; B; BE; C1; C

Certificates

- Logosoft Sarajevo, Certificate, MS 102: Microsoft 365 Administration course, 23.02.2024.
- Logosoft Sarajevo, Certificate, Microsoft AZ-104: Azure Administrator course, 19.01.2024.
- University of "Vitez", Certificate of Participation and Organization of Lectures and Demonstrations - Robotics Week, 24.03.2021.
- Genesis Project, Certificate of Participation in the Online Educational Dialogue Platform, 05.11.2020.
- Foundation for the Future in BiH, Certificate, Leaders of Online Teaching, 23.8.2020
- Perpetuum Mobile, Certificate of completed training for teachers and professional staff of secondary schools on the application of the handbook – Program Y in work with youth, Travnik, 20.6.2018
- Bit Alliance, Certificate – Implementation of the CoderDojo Programming School, Travnik, 2018
- Code.org, Certificate, The Hour of Code, 06.12.2017.

Certificates

- Logosoft Sarajevo, Certificate, Microsoft Official Course, course 20483B: Programming in C#, 20.10.2017.
- Logosoft Sarajevo, Certificate, Microsoft Official Course, course 20461D: Querying Microsoft SQL Server 2014, 20.10.2017.
- Certificate, Certified Microsoft Innovative Educator, 23.09.2016.

ADDITIONAL INFORMATION

Publications

- **Krnjić, N., Latinović, B., Ćosić, M.** (2021). *Students' Perceptions of E-learning through Online Teaching in Secondary School*. International Journal of Sales, Retailing and Marketing, Vol. 10, No. 1, pp. 37–42. ISSN 2045-810X. Access Press UK, 1 Hillside Gardens, Darwen, Lancashire, BB3 2NJ, United Kingdom. (CABELL's Library, EBSCO, SCOPUS and ZETOC (British Library)), March 2021., p.37–42.
https://www.circleinternational.co.uk/wpcontent/uploads/2021/03/ijsrm_vol10_no1-final_n.pdf
- **Ćosić, M., Krnjić, N., Petrušić, R.** (2022). *Gamification in the Context of Higher Education*. Nauka i tehnologija, Scientific Journal of the International University Travnik, Vol. X, No. 17, ISSN 2303-5188, pp. 38–47.
- **Krnjić, N., Ćosić, M.** (2019). *Information System for Improving the Quality of Education*. International Interdisciplinary Journal – SKEI, Vol. 1, No. 1, JEL Classification: A20, I21, O31. (EBSCO, CEEOL, EconBiz), Original scientific paper.
<https://hrcak.srce.hr/en/clanak/363424>
https://unvi.edu.ba/Files/zbornici/SKEI/Zbornik_radova_skei_2019v3.pdf
- **Krnjić, N., Ćosić, M.** (2021). *The Perspective of Artificial Intelligence Application in Teaching*. Proceedings of the International Student Conference on Economics and Informatics "SKEI 2021", May 2021, Belgrade, Serbia.
- **Ćosić, M., Salkić, H., Krnjić, N.** (2021). *The Contribution of ICT to Technical and Technological Adaptations Caused by the COVID-19 Pandemic*. Nauka i tehnologija, Scientific Journal of IUT, Vol. 9, No. 16, pp. 50–58, Travnik, Bosnia and Herzegovina.
- **Krnjić, N., Salkić, H.** (2017). *Creating an Android Application – Let's Learn German*. Eduk@tor, No. 5, ISSN 2303-5560, Scientific and Professional Informative Journal of the Faculty of Information Technologies, University "VITEZ", Bosnia and Herzegovina, Vol. 4, No. 5, May 2017, pp. 45–52.
- **Krnjić, N., Ćosić, M.** (2019). *Information System for Improving the Quality of Education in Central Bosnia Canton*. Proceedings of the 11th International Conference ITIS2019, November 2019, Dolenjske Toplice, Slovenia.
- **Čičak, B., Krnjić, N.** (2021). *Application of Data Mining to Recommender Systems*. International Journal of Management Cases.
<https://www.circleinternational.co.uk/journals/ijmc/>
https://www.researchgate.net/publication/357015451_APPLICATION_OF_DATA_MINING_TO_RECOMMENDER_SYSTEMS
- **Ćosić, M., Gaši, N., Vrebac, D., Krnjić, N., Čičak, B.**: *Artificial Intelligence in the Context of Ecological Challenges*, 10th International Scientific Conference on Climate Change, Economic Development, Environment, and People (CCEDEP 2023), International University of Travnik, Travnik, Bosnia and Herzegovina, 25.10.2023.
- **Ćosić, M., Krnjić, N., Petrušić, R.**: *Security and Privacy Challenges of the Medical Internet of Things*, Science and Technology, Scientific Journal of the International University of Travnik, X(18), February 2023, pp. 61-68.
- **Čičak, B., Krnjić, N.**: *Information System for University Evaluation*, Proceedings of the International Student Conference on Economics and Informatics "SKEI 2020", September 2020, Novo Mesto, Slovenia.
- **Krnjić, N.**: *Techniques for Collecting Software Requirements in Software Engineering*, Proceedings of the International Student Conference on Economics and Informatics "SKEI 2018", May 2018, Vukovar, Croatia.
- **Čehić, A., Krnjić, N.**: *Software Quality Assurance through Automated Testing*, Proceedings of the International Student Conference on Economics and Informatics "SKEI 2019", May 2019, Travnik, Bosnia and Herzegovina.
- **Ćosić, M., Krnjić, N.**: *Modern Perspectives on Sustainable Management of Information Systems*, "Edukator" Scientific and Professional Informational Journal of the Faculty of Information Technologies, University of "VITEZ", Bosnia and Herzegovina, Volume VI, Issue 6, Vitez, May 2019, pp. 56-58.

Conferences

- 6th International Student Conference on Economics and Informatics "SKEI 2021", College of Modern Business, Belgrade, Serbia, May 2021
- 22nd International Conference: Technical and Technological Adaptations to the Challenges of Transport, Ecology, Information Technologies and Logistics in the Conditions of the COVID-19 Pandemic, International University Travnik, Travnik, Bosnia and Herzegovina, May 2021
- 5th International Student Conference on Economics and Informatics "SKEI 2020", Novo Mesto, Slovenia, September 23, 2020
- 11th International Conference on Information Technologies and the Information Society "ITIS2019", Dolenjske Toplice, Slovenia, November 7–8, 2019
- 4th International Student Conference on Economics and Informatics "SKEI 2019", University "VITEZ", Vitez, Bosnia and Herzegovina, May 2019
- 15th Circle International Conference, Circle of Knowledge Sharing, Sarajevo, April 2018
- 3rd International Student Conference on Economics and Informatics "SKEI 2018", Lavoslav Ružička Polytechnic in Vukovar, Vukovar, Croatia, May 2018
- 18th Circle International Conference, Circle of Knowledge Sharing, online, April 8–9, 2021
- 24th International Conference "New EU Technologies – Functions of Sustainable Development of Transport, Ecology, Logistics and Polytechnics", International University Travnik, Travnik, Bosnia and Herzegovina, May 27–28, 2022
- 3rd Scientific Event within the Continuous Education Program titled "Enhancing Teaching Competencies – Training of Trainers" – Professional Lecture: "Technical Skills for Preparing Multimedia Presentations, Online Educational Platforms, and Instructional Design", Sarajevo, March 2023
- 3rd Scientific-Professional Conference "Cyber Crime and Forensics", University "VITEZ", Travnik, March 11, 2016

Recognition of teaching competence

- Ministry of Education, Science, Youth, Culture, and Sports of Central Bosnia Canton (CBC), Mentorship to the student – Award for achieving first place individually at the cantonal competition in informatics for high schools – Category: Programming, Travnik, June 6, 2019.
- Ministry of Education, Science, Youth, Culture, and Sports of CBC, Mentorship to the student – Award for achieving first place individually at the cantonal competition in informatics for high schools – Category: Applied Challenges, Travnik, June 6, 2019.
- Ministry of Education, Science, Youth, Culture, and Sports of CBC, Mentorship to the student – Award for achieving first and third place individually at the cantonal competition in informatics for high schools – Category: Programming, Travnik, April 10, 2023.
- International University of Travnik, High School Programming Competition in the CBC area on the occasion of the Day of the Municipality of Travnik, Mentorship to students – Award for achieving first and second place individually, and first place as a team, 2023.
- Award for participation in the organizing committee at the 55th Youth Science and Technology Creativity Fair in BiH, Sarajevo, June 6, 2016.
- Ministry of Education, Science, Youth, Culture, and Sports of CBC, Mentorship for trainee teachers, 2017, 2018, 2021.
- International University of Travnik, High School Programming Competition in the CBC area on the occasion of the Day of the Municipality of Travnik, Mentorship to students, Award for achieving first place individually, and first place as a team, March 22, 2018.
- Ministry of Education, Science, Youth, Culture, and Sports of CBC, Award for participation and work in the committee at the cantonal programming competition, 2018.
- Ministry of Education, Science, Youth, Culture, and Sports of CBC, Award for participation and work in the committee at the cantonal programming competition, 2019.
- Informatics Olympiad of BiH, Participation in the 23rd State Informatics Competition of BiH for high school students, Sarajevo, June 29, 2019.
- Ministry of Education, Science, Youth, Culture, and Sports of CBC, Preparation of reports and Educational Curriculum, May 16, 2019.
- Ministry of Education, Science, Youth, Culture, and Sports of CBC, Demonstration activity at the municipal level – Programs for creating databases, Donji Vakuf, 2018.
- Municipality of Bugojno, Award for organizing the informatics competition and work in the committees on the occasion of the Day of the Municipality of Bugojno, May 2022.
- Ministry of Education, Science, Youth, Culture, and Sports of CBC, Participation and work in the committee at the cantonal programming competition, Travnik, 2023.

- Ministry of Education, Science, Youth, Culture, and Sports of CBC, Mentorship to the student – Award for achieving second place individually at the cantonal competition in informatics for high schools – Category: Programming, Travnik, April 10, 2024.
- Ministry of Education, Science, Youth, Culture, and Sports of CBC, Participation and work in the committee at the cantonal programming competition, Travnik, April 10, 2024.
- Regular professional development – Lectures at the Teachers' Council level.
- Informatics Olympiad of BiH, Participation in the 28th State Informatics Competition of BiH for high school students, Sarajevo, June 15, 2024.

Other informations

- Advisor for Educational and Pedagogical Supervision in Central Bosnia Canton
- Member of the core team for curriculum reform in Central Bosnia Canton

Awards

- Minister of Education's Praise for Achieved Results
- Second place in the national competition for innovative teachers (Microsoft)
- Golden Plaque of the Rector of the University of Bihać for outstanding academic performance during studies
- Golden Plaque of the Rector of the "Vitez" University for outstanding academic performance during studies – first cycle
- Golden Plaque of the Rector of the "Vitez" University for outstanding academic performance during studies – second cycle
- Rector's Praise Summa cum laude – for excellent results in the third cycle of studies

Ph.D. Nešad Krnjić

