

ALMA SHEKO

Academic Curriculum Vitae

PROFESSIONAL PROFILE

University lecturer and researcher in Computer Science with extensive experience in higher education, teaching, student supervision, and applied research. Academic work includes Software Engineering, Web Programming, Computer Networks, Data Structures, and educational technologies at Bachelor's and Master's level. Research interests include software and web technologies, data analysis, artificial intelligence, cloud computing, digital sustainability, recommender systems, and technology-enhanced learning.

ACADEMIC AND PROFESSIONAL EXPERIENCE

09/2012 – Present | Lecturer in Computer Science

University of Vlorë “Ismail Qemali”, Albania

- Teaching at Bachelor's and Master's level, including Web Programming, Computer Networks, Software Engineering and educational technologies.
- Preparation of course materials, practical activities, assessments, and student projects.
- Supervision of Bachelor's and Master's theses and technical/research projects.
- Participation in academic committees, thesis/diploma defence committees, teaching coordination and departmental activities.
- Research in software and web technologies, data analysis, AI, cloud computing, IoT, digital sustainability and educational technology.
- Organisation and support of seminars, student activities and scientific conference initiatives.

11/2021 – 03/2023 | Lecturer

Epoka University, Tirana, Albania

- Taught Web Programming, Computer Networks and Data Structures in English.
- Prepared lectures, practical exercises, and assessments, and supported students in coursework and technical projects.

09/2009 – 08/2012 | IT Specialist

University of Vlorë “Ismail Qemali”, Albania

- University website administration and technical management, including web-based information services and digital content.
- IT technical support and collaboration with academic and administrative staff.

SELECTED TEACHING EXPERIENCE

- Software Engineering — Master's level, University of Vlorë “Ismail Qemali”; taught in Albanian and in English for Erasmus students (2024–2025).
- Web Programming — Bachelor's level, University of Vlorë “Ismail Qemali”; also taught in English at Epoka University.
- Computer Networks — Bachelor's and Master's level, University of Vlorë “Ismail Qemali”; also taught in English at Epoka University.
- Data Structures — Bachelor's level, Epoka University; taught in English.
- Educational Technology / Use of Technology in Teaching — Bachelor's and Master's level, University of Vlorë “Ismail Qemali”.

EDUCATION

- PhD in Operations Research — University of Tirana, Albania (2012–2019).
- Master of Science in Computer Science — University of Vlorë “Ismail Qemali”, Albania (2009–2012).
- Bachelor's Degree in Information Technology — University of Vlorë “Ismail Qemali”, Albania (2006–2009).

SELECTED RESEARCH AND PROJECT EXPERIENCE

- 2025 — Researcher, “The University as a Driver of Digital Transformation in Schools through Practical Projects: Arduino, IoT, and AI”, University of Vlorë.
- 2024–2025 — HAWKING (Harvesting (Digital) Alternation in Ways That Knock-Down Inaccessibility of New Generations): participation in international training activities, including the University of Nicosia, Cyprus.
- 2024 — Project Team Member, programming and information-technology training initiative for secondary-school students, University of Vlorë.
- 2024 — INTEC, International Engineering Competence Centres to Push Sustainable Mobility Development in Albania and Montenegro: participation in project training activities.
- 2011–2012 — Researcher, “Quality and Equality in Education”, funded by the Albanian Ministry of Education and Science and EPICT Albania.

SELECTED PUBLICATIONS

- Sheko, A., & Ramosaçaj, M. (2026). Examining Cloud-Based Learning in Higher Education: The Role of Infrastructure, Security, and Student Trust. *Journal of Education and E-Learning Research*, 13(3), 74–82. DOI: 10.20448/jeelr.v13i3.9186.

- Sheko, A. (2026). Developer Education for Sustainable Web Development: Evidence from the Balkan Region. Proceedings, 145, 5. DOI: 10.3390/proceedings2026145005.
- Sheko, A., & Kushta, E. (2026). Analyzing Student Graduation Outcomes in Higher Education: A Lag-Based and Forecasting Approach in Albania. European Modern Studies Journal, 10(1). DOI: 10.59573/emsj.10(1).2026.58.
- Sheko, A. (2026). User-Centered Experimental Evaluation of Recommendation Strategies in Online Education. UniVlora Scientific Journal, Number II, Volume I. DOI: 10.63871/unvl.jsuv2.1.40.
- Sheko, A., & Spaho, A. (2018). Information Technology Inhibitors and Information Quality in Supply Chain Management: A PLS-SEM Analysis. Academic Journal of Interdisciplinary Studies, 7(3), 125–138.

TECHNICAL AND RESEARCH COMPETENCIES

- Software and web technologies: software engineering, web development, HTML, CSS, JavaScript, PHP, MySQL, and application design.
- Programming and data: Python, SQL, quantitative data analysis, regression, ANOVA, forecasting and PLS-SEM.
- Digital technologies: artificial intelligence, machine learning, recommender systems, cloud computing, IoT and digital sustainability.
- Networking and systems: computer networks, Internet technologies, Cisco Packet Tracer, Wireshark and IT support.
- Academic skills: course design, student assessment, thesis supervision, scientific writing, research methods, teamwork and academic coordination.

LANGUAGES

- Albanian — Native.
- English — Advanced; TOEIC certified and extensive university-level teaching and scientific publishing experience in English.
- Italian — B1 (Independent User).