

# Curriculum Vitae

## Personal information

First name(s) / Surname(s) **Artan Mazrekaj**  
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E-mail artan.mazrekaj@uni-pr.edu; artan\_mazrekaj@hotmail.com  
Nationality Albanian/Kosovar  
Date and Place of birth 20 August 1985; Drenoc, Deçan, Republic of Kosovo  
Gender Male  
Civil Status Married, a child

## Education

Dates 2014 – on going  
Title of qualification awarded **PhD Candidate**  
Principal subjects/occupational skills covered Computer Science / Dynamic Resource Allocation in Cloud Computing.  
Supervisor: Prof. Dr. Bernd Freisleben, Philipps Universität Marburg, Germany.  
Name and type of organisation providing education and training South East European University, Republic of North Macedonia  
Dates May 2011  
Title of qualification awarded **Master's degree, MSc**  
Principal subjects/occupational skills covered Computer science  
Name and type of organisation providing education and training EU Tempus Program, in partnership between the University of Prishtina - Kosovo, La Rochelle University – France, and Institute of Technology Carlow – Ireland.  
Dates October 2003 – December 2006  
Title of qualification awarded **Bachelor's degree, BSc**  
Principal subjects/occupational skills Covered Computer Engineering  
Name and type of organisation providing education and training University of Prishtina, Faculty of Electrical and Computer Engineering, Kosovo

## Desired employment / Occupational field

Dates November 2013 – on going  
Occupation or position held **Teaching Assistant / Full Time**  
Courses

1. *Computer Circuits* (Bachelor)– numerical exercises, laboratory exercises, simulations.
2. *Operating Systems* (Bachelor) – exercises with C language, virtual environment, Linux, Ubuntu, Centos, *NetBeans*, Oracle VirtualBox tools.
3. Cloud Computing (Master) – Lectures and Exercises.

Name and address of employer Faculty of Electrical and Computer Engineering, University of Prishtina, Republic of Kosovo  
Type of business or sector Education  
Dates 2009 - 2017  
Occupation or position held **Teaching Assistant / Part Time**  
Courses

1. *Computer Circuits* (Bachelor) – numerical exercises, laboratory exercises, simulations (Multisim)
2. *Programming Language* (Bachelor) – exercises with C++.

3. *Computer Graphics* (Bachelor) – exercises with .NET (C#), Windows Forms, WPF, introduction to computer games.
4. *Distributed Systems* (Bachelor)– exercises with HTML, XML, C#, SQL Server, Web Services, Web Forms, Windows Forms, SOAP, WSDL, MVC.
5. *Operating Systems* (Bachelor) – exercises with C language, virtual environment, Linux, Ubuntu, Centos, *NetBeans*, Oracle VirtualBox tools.
6. Professional Practice (Bachelor)– coordination with industry for student's practice.

Name and address of employer Type of business or sector	Faculty of Electrical and Computer Engineering, University of Prishtina, Republic of Kosovo Education
Dates	2007 - 2014
Occupation or position held	<b>Senior IT Officer</b>
Duties and Responsibilities	<ul style="list-style-type: none"> <li>○ IT coordinator;</li> <li>○ Evolution of specification and supervision for server infrastructure, planning for child domain (domain for PIK windows server 2008 R2);</li> <li>○ Evolution of specification and supervision for software: <ul style="list-style-type: none"> <li>○ assets,</li> <li>○ web pages,</li> <li>○ databases (Sql Server 2005 and MySQL)</li> <li>○ access control,</li> <li>○ system for monitoring through cameras/DVR systems,</li> </ul> </li> <li>○ Database administrator (sql server 2005) <ul style="list-style-type: none"> <li>○ Ensure data can be provided to support OLAP reports and various reporting requirements</li> <li>○ SQL Query, stored Procedure, triggers, Jobs</li> </ul> </li> <li>○ Database administrator (PHP, MySQL) <ul style="list-style-type: none"> <li>○ Establishing the needs of users and monitoring user access and security;</li> <li>○ Design and document database architecture. Data Modeling;</li> <li>○ Build database scheme, tables, procedures and permissions;</li> <li>○ Controlling access permissions and privileges;</li> <li>○ Developing, managing and testing back-up and recovery plans;</li> <li>○ Analyze and sustain capacity and performance requirements;</li> <li>○ Further refining the physical design to meet system storage requirements;</li> <li>○ Ensuring that storage, archiving, back-up and recovery procedures are functioning correctly;</li> <li>○ Commissioning and installing new applications and customizing existing applications in order to make them fit for purpose.</li> </ul> </li> <li>○ Apache server, PHP5, WebAdmin;</li> <li>○ Installing and configuring application software;</li> <li>○ Windows Server 2008 R2 administration: <ul style="list-style-type: none"> <li>○ Installing and configuring windows server 2008 R2</li> <li>○ Creating and Maintaining User Accounts</li> <li>○ Creating GPO</li> <li>○ Backing Up and Restoring Files</li> <li>○ Monitoring and Tuning Performance</li> <li>○ Configuring a Secure System</li> <li>○ Using Tools to Monitor Security</li> </ul> </li> <li>○ Report and statistical analyses;</li> </ul>
Name and address of employer Type of business or sector	Ministry of Internal Affairs / Police Inspectorate of Kosovo Government
Dates	2011 - 2013
Occupation or position held	<b>Lecturer</b>
Courses	<ol style="list-style-type: none"> <li>1. <i>Algorithms with the Principles of Programming</i> (Bachelor) - exercises with .NET (C#).</li> <li>2. <i>Computer Circuits</i> (Bachelor) - numerical exercises, laboratory exercises, simulations (Multisim).</li> <li>3. <i>Operating Systems</i> (Bachelor) – lectures and exercises.</li> </ol>
Name and address of employer Type of business or sector	Iliria College, Faculty of Computer Science, Prishtina, Republic of Kosovo Education
Dates	2012 – 2015
Occupation or position held	<b>Lecturer</b>
Courses	<ol style="list-style-type: none"> <li>1. <i>Management of Information Systems (Master)</i></li> </ol>

Name and address of employer	Gjilani College, Faculty of Management, Prishtina, Republic of Kosovo.
Type of business or sector	Education
Dates	2015 – 2018
Occupation or position held	<b>Lecturer</b>
Courses	1. <i>Applications Development for Business</i> (Bachelor). 2. <i>Data Communication for Business</i> (Bachelor).
Name and address of employer	European College of Kosovo, Faculty of Information Technology for Business, Prishtina, Republic of Kosovo.
Type of business or sector	Education

## Engagements in the Faculty / University

Dates	January 2016 – on going
Occupation or position held	<b>Member of the Faculty Council</b>
Duties and Responsibilities	Part of the processes and decisions of the Faculty Council, as defined by the UP statute.
Name and address of employer	Faculty of Electrical and Computer Engineering, University of Prishtina, Republic of Kosovo.
Dates	November 2013 – on going
Occupation or position held	<b>Member of the Assessment and Defense Committee of Diploma Thesis</b>
Duties and Responsibilities	As a member of the committee for assessment and defense of bachelor's thesis in Computer Engineering Department.
Name and address of employer	Faculty of Electrical and Computer Engineering, University of Prishtina, Republic of Kosovo.
Dates	November 2013 – on going
Occupation or position held	<b>Member of the Evaluation Commissions for IT Projects</b>
Duties and Responsibilities	Engaged several times as part of the commissions related to the professional projects of Information and Communication Technology in FECE and other Faculties.
Name and address of employer	Faculty of Electrical and Computer Engineering, University of Prishtina, Republic of Kosovo.
Dates	November 2013 – on going
Occupation or position held	<b>Member of the Admission Committee for new generation of students</b>
Duties and Responsibilities	Evaluation of applicants' files, organization of the entrance examination and the process of processing the results.
Name and address of employer	Faculty of Electrical and Computer Engineering, University of Prishtina, Republic of Kosovo.

## Professional Activities

Dates	2015 – on going
Occupation or position held	<b>Information Technology Expert</b>
Duties and Responsibilities	Member of expert panel for validation and accreditation of professional schools, training canthers, high schools.
Name and address of employer	Ministry of Education, Science and Technology / National Qualifications Authority, Prishtina.
Dates	2015
Occupation or position held	<b>Member of the Accreditation Panel for the Computer Science Program</b>
Duties and Responsibilities	Prepare the accreditation plan program and curricula for accreditation process.
Name and address of employer	ISPE College, Prishtina, Republic of Kosovo.
Dates	2014
Occupation or position held	<b>A Head of the Accreditation Panel for the Information Technology in Business Program</b>
Duties and Responsibilities	Preparation and presentation of the accreditation plan program and curricula for accreditation process.
Name and address of employer	European College of Kosovo, Prishtina, Republic of Kosovo.

## Publications

1. Artan Mazrekaj, Shkelzen Nuza, Mimoza Zatriqi, Vlera Alimehaj  
*An Overview of Virtual Machine Live Migration Techniques*. International Journal of Electrical and Computer Engineering (IJECE), Vol. 9, No. 5, 2019.
2. Artan Mazrekaj, Arlinda Sheholli, Dorian Minarolli, and Bernd Freisleben  
*The Experiential Heterogeneous Earliest Finish Time Algorithm for Task Scheduling in Clouds*. In 9th International Conference on Cloud Computing and Services Science (CLOSER 2019), Heraklion, Crete, Greece, 2-4 May 2019.
3. Artan Mazrekaj, Dorian Minarolli, and Bernd Freisleben  
*Dynamic Resource Allocation in Cloud Environments*. In Information & Communication Technologies at Doctoral Student Conference (ICT@DSC), Thessaloniki, Greece, 9-11 May 2018.
4. Artan Mazrekaj, Dorian Minarolli, and Bernd Freisleben  
*Distributed Resource Allocation in Cloud Computing using Multi-Agent Systems*. In Telfor Journal, 2017.
5. Dorian Minarolli, Artan Mazrekaj, and Bernd Freisleben  
*Tackling uncertainty in long-term predictions for host overload and underload detection in cloud computing*. In Journal of Cloud Computing: Advances, Systems and Applications, Springer, 2017.
6. Artan Mazrekaj, Isak Shabani, Besmir Sejdiu  
*Pricing Schemes in Cloud Computing: An Overview*. International Journal of Advanced Computer Science and Applications, Vol. 7, No. 2, 2016.
7. Shkelzen Nuza, Artan Mazrekaj, Blerim Rexha  
*Mobile Network Planning with WiMAX Technology for territory of Gjakova city*. Journal of Telecommunication, Volume 13, Issue 1, UK, March 2012.
8. Shkelzen Nuza, Artan Mazrekaj  
*Link budget analysis in the network designed mobile WiMAX technology in the territory of the urban area of the city of Gjakova*. International Journal of Computer Science Issues, Volume 9, Issue 5, 2012.

### Profile Links

[Google Scholar](#)

[DBLP](#)

[Scopus](#)

## Workshops / Study Visits / Conferences

### Workshop

- Held and organized at the Faculty of Biomedical Engineering of Czech Technical University in Prague, Czech Republic, 18–19 June 2019. Workshop within the international project *Innovative Teaching Education in Mathematics – iTEM*, supported by Erasmus Plus KA2, Capacity Building for Higher Education.

### Study Visits

- Held at the University of Freiburg, Freiburg, Germany, 11-18 June 2017. The visit is realized within the project DEKOS: University Dialogue and Cooperation between Germany and Kosovo in IT Capacity Building.
- Held at the University of La Rochelle, Institute of Information Technology, France, December 2008. The visit is realized during master studies, supported by TEMPUS project.

### Conferences

- Conference speaker, held at Heraklion, Crete, Greece, 2-4 May 2019.
- Conference speaker, held at Thessaloniki, Greece, 9-11 May 2018.
- Participation in the Conference: Alb Shkenca, Fifth (V) Annual Meeting, Science Engineering and Information Technology Session, Tirana, Albania, 2-5 September 2010.

- Projects**
- *Project name:* Innovative Teaching Education in Mathematics – iTEM, (Project No. 598587). Is a Capacity Building Project in Higher Education funded by the Erasmus Plus Program. *Position in the project:* Quality Assurance Committee Member. Start Date: 15/11/2018; Close Date: 14/11/2021
  - *Project name:* Intelligent Wireless Sensor Networks for Monitoring Surface Water Quality (InWaterSense), ICT KOSEU Program  
*Position:* Financial/Administrative Assistant.

- Research Activities**
- **Technical Programme Committee Member**, in the European Conference on Networks and Communications (EuCNC), sponsored by the IEEE Communications Society and the European Association for Signal Processing, and supported by the European Commission. (<https://www.eucnc.eu/technical-programme-committee/>).
  - **Reviewer in papers related to Cloud Computing**,  
Journal: Transactions on Parallel and Distributed Systems  
Conference: European Conference on Networks and Communications (EuCNC)

- Course Materials**
- Lab exercises on Computer Graphics (C# language), 2012, Prishtina.
  - Lab exercises on Distributed Systems (C# language, XML, DTD), 2014, Prishtina.
  - Lab exercises on Operating Systems (C language, Linux/Ubuntu/CentOS, VirtualBox, NetBeans, Shell scripts), 2012, Prishtina.

**Languages** Albanian, mother tongue  
English

- Computer skills and competences**
- C++, C#, Eclipse, Python, OOP programming
  - Algorithms and Data Structures
  - SQL Server, MySQL
  - PHP, XML, HTML, CSS, JSON
  - Computer Architecture
  - Operating Systems: Windows and Linux/Ubuntu/Centos.
  - Cloud Computing, Resource Allocation Techniques, Virtual Environment
  - Distributed Systems, Web Services
  - Computer networks and security
  - Computer graphics / image processing
  - Computer circuits
  - Software engineering
  - Data mining
  - Machine Learning
  - Artificial Intelligence
  - Management of Information Systems

- Organisational skills and competences**
- Good organisational skills
  - Cooperative, collegial
  - Ability to analyse and implement technical reports

- Training and skills**
- Visual C# Programming, Prishtina, Kosovo
  - CCNA 1 Networking Basics, Cisco Systems Networking Academy
  - CCNA 2 Router and Routing Basics, Cisco Systems Networking Academy
  - MCSA Training
  - Advanced Human Resources Training, OSCE, Kosovo
  - Report Writing, OSCE, Kosovo
  - Business Communication, OSCE, Kosovo

Driving licence Cat. B