

● Education

09/2000 – 09/2004	Bachelor of Science in Informatics at the Technological Educational Institute of Athens - Computer Science - Database Architecture - Business & Project Analysis - Programming Methodology - Software Engineering EQF level 6				
10/2018 – 07/2021	Bachelor of Engineering in Informatics and Computer Engineering at the University of West Attica - Computer Science - Database Architecture - Business & Project Analysis - Programming Methodology - Software Engineering - Algorithmic Complexity EQF level 7				
10/2004 – 09/2005	Master of Research (MRes) in Computer Science and Artificial Intelligence at the University of Sussex in the United Kingdom. - Artificial Neural Networks - Genetic Algorithms - Artificial Life - Natural Language Processing (NLP) EQF level 7				
11/2008 – 11/2012	Ph.D in Informatics. His research is entitled “An intelligent system for automatic navigation in a 3D georeferenced scene”, at the University of Limoges, in France. - GIS - Large scale 3D modelling - Multicriteria Search - Ontologies - User profile estimation - Decision Support Systems (DSS) - Automatic Navigation in 3D scenes EQF level 8				
Secondary Language	English	Listening	Reading	Spoken production	Spoken interaction
		C1	C1	C1	C1

● Teaching Experience

02/2020 – 06/2024	University of West Attica (UniWA) - Instructor for the seminar courses “Object-oriented Programming” and “Analysis and Design of Information Systems”
02/2018 – 07/2018	University of West Attica (UniWA) - Instructor for the seminar courses “Methodologies of Software Development”
11/2006 – 02/2018	Technological Educational Institute of Athens - Instructor for the seminar courses “Analysis and Design of Information Systems”, “Intelligent Systems”, “Software Engineering”, “Methodologies of Software Development” “eCommerce”, “Object-oriented Programming”, and “Programming of Computers”

● Work Experience – Previous Experience

- 02/2023 – present **PHP Web Developer – Athens, Greece**
National Infrastructures for Research and Technology (GRNET)
 - PHP Backend Developer
Projects:
 - BPMN Diagram Generator (PHP)
 - Monitor Daily Data (Elasticsearch, Logstash, Grafana)
 - Media Wiki Extension Development (PHP, MariaDB)
 - Maintenance Media wiki platform (PHP, MariaDB)
Technologies/Skills: Docker, Media Wiki, PHP, MariaDB, Elasticsearch, Logstash, Grafana, MVC, Design & Implementation of APIs/Front-end/Back-end, Restful API
- 02/2023 – present **Head of Software and Business Application Department**
Web Developer / IT Expert – Athens, Greece
Hellenic Ministry of Migration and Asylum
 - Analyse project requirements
 - Design and implement projects
 - Release public applications (G2C)
Technologies/Skills: Docker, Slim, PHP, Redis, PostgreSQL, MVC, Design & Implementation of APIs/Front-end/Back-end, REST/SOAP Architecture, Git, Unix Web Server Administration, Microservices
- 03/2018 – 02/2023 **Web Developer / IT Expert – Athens, Greece**
Hellenic Ministry of Digital Governance
 - Analyse project requirements
 - Design and implement projects
 - Release public applications (G2C)
Technologies/Skills: Docker, Slim, PHP, Redis, PostgreSQL, MVC, Design & Implementation of APIs/Front-end/Back-end, REST/SOAP Architecture, Git, Unix Web Server Administration, Microservices
- 07/2020 – 12/2022 **Co-Founder – Startup – Paphos, Cyprus**
IMGHaste
 - Real-time image processing
 - Progressive Web App Services
 - Content Delivery Network
 - Software as a Service
 - Product development
 - Offline sales funnels
 - Marketing strategy
 - Automated billing
Technologies/Skills: Docker, Slim, PHP, Redis, PostgreSQL, MVC, Design & Implementation of API/Front-end/Back-end, REST/SOAP Architecture, Git, Unix Web Server Administration, Microservices, Daily Builds, schema-less data, Business Intelligence, Reporting & Goals, Content Delivery Network
- 03/2020 – 12/2020 **Web Developer – Athens, Greece**
University of West Attica
 - Public/Private API for the web
 - Front-end / Back-end developer
 - Interoperate with existing IS
 - Computerize building registry data
 - GIS platform integration
 - User management
 - Event scheduling
Technologies/Skills: Docker, Slim, PHP, Redis, PostgreSQL, MVC, GIS, Design & Implementation of APIs/Front-end/Back-end, REST/SOAP Architecture, Git, Unix Web Server Administration, Microservices, Custom CMS Development

03/2018 – 12/2022

Co-Founder – Startup – Paphos, Cyprus**eSolutions Softhouse Limited**

- Back-end / Front-end development
- Develop Websites and Web Applications
- Manage and monitor web server
- Develop Web Services
- Turnkey solutions
- (web) Products development
- Integrate and interoperate with third party systems
- Provide e-commerce custom solutions from scratch
- CRM / ERP integration
- Tech consultant
- Automated billing

Technologies/Skills: Docker, Slim, PHP, Redis, PostgreSQL, MVC, Design & Implementation of APIs/Front-end/Back-end, REST/SOAP Architecture, Git, Unix web server Administration, Microservices, NodeJS, NPM, Daily Builds, schema-less data, Business Intelligence, Reporting & Goals, Content Delivery Network, Custom CMS & CRM Development

06/2016 – 10/2020

Web Developer – Dafni, Greece**L' Artigiano S.A.**

- Front-end development
- Public/Private API for web & mobile app
- Microservices architecture
- CRM / ERP Integration
- Uptime monitoring
- Acceptance tests
- Tech consultant

Technologies/Skills: Docker, Slim, PHP, Redis, PostgreSQL, MVC, Design & Implementation of API/Front-end/Back-end, REST/SOAP Architecture, NodeJS, NPM, Vanilla JS, VueJS, Git, Unix web server Administration, Microservices, Daily Builds, schema-less data, Business Intelligence, Reporting & Goals

03/2008 – 01/2018

Founder – Startup – Aegaleo, Greece**eSolutions**

- Front-end / Back-end development
- Develop Websites and web applications
- Manage and monitor web server
- Develop Web Services
- Turnkey solutions
- (web) Products development
- Integrate and interoperate with third party systems
- Provide e-commerce custom solutions from scratch
- CRM / ERP integration
- Tech consultant
- Automated billing

Technologies/Skills: Docker, Slim, PHP, Redis, PostgreSQL, MySQL, MVC, Design & Implementation of APIs/Front-end/Back-end, REST/SOAP Architecture, EPP Architecture, Git, Unix web server Administration, Microservices, Daily Builds, schema-less data, Business Intelligence, Reporting & Goals

2005 – 2015

Software Analyst & Web Developer**member of a team (academic/research projects)**

- development of web-based platforms for "Enriching Institutional Repository / Depository - Value Added Services (02/2014 – 06/2015 / Technological Educational Institute of Ionian Islands)
- development of information system for structure of employment and career (12/2011 – 12/2012 / Technical University of Ionian Islands)
- development of personalized web-based educational platform (ESPONTrain) (01/2012 – 12/2012 / Panteion University)
- Analysis and Design of information system for the Youth Institute (01/2009 – 08/2009 / Technological Educational Institute of Athens)

- Analysis of university's curriculum corresponding to the project "Enhancing Computer Studies" (02/2008 – 08/2008 / Technological Educational Institute of Athens)
- Develop a research project .NET / C# for supporting product's design (MultiCAD) (10/2005 – 08/2006 / Technological University of Athens).

Technologies/Skills: Ontologies, metadata, C#, .NET, MySQL, Business Intelligence, Analysis & Design Information System

04/2004 – 09/2004

IT & Network Assistant

National Mint - Bank of Greece

- Highly secure environment
- Working as an IT & Network Assistant
- Using SQL Server (maintenance, applications)
- Information System maintenance and users' helpdesk
- Develop small tools and applications
- Responsible for Network Security

Technologies/Skills: VB6

2003

Software Developer

M. Tsikritzis

- Collaboration with a team
- Develop educational software for the competition of Ministry of National Education of Greece for the subject of Religion
- Develop standalone application in VB6
- research associate in ancient Greek language
- Natural Language Processing (NLP)
- Automata

Technologies/Skills: VB6, Natural Language Processing (NLP)

1999 – 2000

Software Developer

Minoiki S.A.

- Develop company's web site
- Develop Stand-alone Content Management Systems in VB6

Technologies/Skills: HTML, CSS, JavaScript, VB6

● **Reviewer on International Journals and Conferences in AI & Computer Science**

- **Reviewer** in 8th International Conference on Smart Data and Smart Cities (SDSC2024)
- **Reviewer** in 24th, 25th, 26th, 27th and 29th Pan-Hellenic Conference on Informatics (PCI 2020/2021/2022/2023/2024/2026)
- **Reviewer** in International Journal of Data and Information Processing (JDIP)
- **Reviewer** in International Journal of Digital Earth (IJDE)
- **Reviewer** in Aloy Journal of Soft Computing and Applications (AJSCA)

● **Publications in Volumes and Journals**

- J.9** Nikitas N. Karanikolas, Christos Yiakoumettis, Christos Skourlas (2026). A Prototype Schema for an Advanced Hospital Information System Supporting Specialised Clinics, ICUs and HDUs, EFMI-STC 2026 (*accepted - pending publication*)
- J.8** Nikitas N. Karanikolas, Marios Kazaglis, Christos Yiakoumettis (2026). Ontology building for compliance check of semantic role's selectional restriction/modes with words phrases for NLU, ACM, 29th Pan-Hellenic Conference on Informatics (PCI' 2026)

- J.7** Christos Yiakoumettis, Nikitas Karanikolas (2024). Personalized Path Planning Estimation of Georeferenced Urban Scene Considering Criminality Map: The Case of Attica. In: Mylonas, P., Kardaras, D., Caro, J. (eds) Novel and Intelligent Digital Systems: Proceedings of the 4th International Conference (NiDS 2024). NiDS 2024. Lecture Notes in Networks and Systems, vol 1170. Springer, Cham. https://doi.org/10.1007/978-3-031-73344-4_10.
- J.6** Skalkos, Dimitris, Nikos Roumeliotis, Ioanna S. Kosma, Christos Yiakoumettis, and Haralabos C. Karantonis. 2022. "The Impact of COVID-19 on Consumers' Motives in Purchasing and Consuming Quality Greek Wine" Sustainability 14, no. 13: 7769. <https://doi.org/10.3390/su14137769>.
- J.5** Nikolaos Doulamis, Christos Yiakoumettis, Georgios Miaoulis (2013). "A Constraint Inductive Learning - Spectral Clustering Methodology for Personalized 3D Navigation" 9th International Symposium on Visual Computing (ISVC'13), Springer Berlin Heidelberg, Lecture Notes in Computer Science Vol. 8034, pp 108-117doi: 10.1007/978-3-642-41939-3_11, pp.108-117.
- J.4** Christos Yiakoumettis, Nikolaos Doulamis, Georgios Miaoulis, Djamchid Ghazanfarpour (2013). "Active learning of user's preferences estimation towards a personalized 3D navigation of geo-referenced scenes" International Journal of Geoinformatica, doi:10.1007/s10707-013-0176-0, pp.1-36.
- J.3** Nikolaos Doulamis, Christos Yiakoumettis, Georgios Miaoulis (2012) "On-line Spectral Learning in Exploring 3D Large Scale Geo-Referred Scenes" Springer Berlin Heidelberg, Progress in Cultural Heritage Preservation, Lecture Notes in Computer Science Vol. 7616, pp. 109-118.
- J.2** Christos P. Yiakoumettis, Georgios Bardis, Georgios Miaoulis, Dimitri Plemenos, Djamchid Ghazanfarpour (2010). "A Collaborative Framework for Virtual Globe Based 3D City Modeling" Springer Berlin Heidelberg, Intelligent Computer Graphics 2010, Studies in Computational Intelligence, Vol. 321, pp. 165-184.
- J.1** Christos P. Yiakoumettis, Georgios Bardis, Georgios Miaoulis, Dimitri Plemenos, Djamchid Ghazanfarpour (2010). "A GIS platform for automatic navigation into Georeferenced Scenes using GIS Scene Explorer (GIS-SE)" Springer Berlin Heidelberg, Intelligent Computer Graphics 2010, Studies in Computational Intelligence, Vol. 321, pp. 105-122.

● Conferences – Publications

- C.6** Christos Yiakoumettis, Nikitas Karanikolas (2024). "Personalized Path Planning Estimation of Georeferenced Urban Scene Considering Criminality Map: The Case of Attica", Novel & Intelligent Digital Systems Conferences, PCI 2024, pp. 124-135, December 2024, Athens.
- C.5** Nikolaos Doulamis, Christos Yiakoumettis, Georgios Miaoulis (2013). "Personalised 3D navigation and understanding of Geo-referenced Scenes", 2013 IEEE 14th International Symposium and Workshops on a World of Wireless, Mobile and Multimedia Networks (WoWMoM) , doi: 10.1109/WoWMoM.2013.6583497, pp.1-6, June 2013, Madrid.
- C.4** Christos Yiakoumettis, Georgios Bardis, Georgios Miaoulis, Dimitri Plemenos, Djamchid Ghazanfarpour (2010). "GIS Scene Explorer, an Intelligent Navigation Tool for Georeferenced Scenes" International Conference on Computer Graphics and Artificial Intelligence, 3IA'2010 pp. 177-186, May 2010, Athens.
- C.3** Christos Yiakoumettis, Georgios Bardis, Georgios Miaoulis, Dimitri Plemenos, Djamchid Ghazanfarpour (2010). "Virtual Globe Based Collaborative 3D City Modelling". International Conference on Computer Graphics and Artificial Intelligence 3IA'2010, pp. 49-58, May 2010, Athens.

- C.2** Minas Tsikritzis, Christos Yiakoumettis, Andreas Manios (2007). “Collocation table of words for Askitiki of Kazantzakis”, Panhellenic Conference in Linguistic, pp.21, September 2007, Heraklion of Crete.
- C.1** Christos P. Yiakoumettis (2007). “Speech Synthesis by Artificial Neural Networks”, Panhellenic Conference in Informatics, PCI’2007, Vol. A, pp. 527-536, May 2007, Patra.

● Projects (active)

- <https://www.lartigiano.gr>
- <https://www.esolutions.gr>
- <https://www.imghaste.com>
- <http://classschedule.uniwa.gr>
- <https://campusplan.uniwa.gr>
- <https://www.myliftdoors.gr>
- <http://openlaw.ydmed.gov.gr>
- <https://www.waterpaint.app>

● Other activities – Interests

Research Areas: Virtual tour, 3D Scene exploration and navigation, artificial intelligence, machine learning, knowledge management

● Communication & Interpersonal Skills

- Self-motivated & willing to go the extra mile
- Willing to explore new technologies
- Problem solver