

CURRICULUM VITAE

Dr. Christodoulos Efstathiades

1. EDUCATION

- 2011 - 2016 **PhD in Computer Science,
Data Management and Analytics**
National Technical University of Athens (N.T.U.A.),
School of Electrical and Computer Engineering
- 2009 – 2010 **MSc in Networked Computer Systems**
University College London (UCL), Department of Computer Science
- 2005 - 2009 **BSc in Computer Science**
University of Cyprus, Department of Computer Science

2. WORKING EXPERIENCE

- 06/2022 - Today **Assistant Professor of Computer Science**
Cyprus International Institute of Management (CIIM)
- 05/2020 - 05/2022 **Data Analytics Engineer**
Bank of Cyprus
Information Technology Department
- 09/2021 - 05/2022 **Visiting Lecturer/Scientific Associate**
University of Cyprus
Department of Computer Science
- 02/2020 - 05/2020 **Big Data Engineer - Technology Consultant, EY Cyprus**
Department of Strategy and Transactions
- 01/2016 - 02/2020 **Researcher**
Center of Excellence in Risk and Decision Sciences (CERIDES)
- 10/2015 - 01/2020 **Lecturer of Big Data Management - Information Systems,**
Coordinator MSc in Information Systems,
Co-Coordinator MSc in Artificial Intelligence
Department of Computer Science and Engineering,
European University Cyprus

- 04/2014 – 10/2015** **Big Data Engineer, “Athena” Research Center, Institute for the Management of Information Systems, Athens, Greece**
- 11/2013 – 12/2013** **Researcher, George Mason University, Fairfax, VA, USA.**
- 04/2011 – 03/2014** **Researcher, Marie Curie Fellow.
National Technical University of Athens (NTUA), Athens, Greece**
- 10/2010 – 12/2010** **R&D Engineer, High Performance Computing Systems Laboratory
(now Laboratory of Internet Computing), University of Cyprus.**
- 06/2007 – 06/2009** **R&D Research Intern, High Performance Computing
Systems Laboratory (now Laboratory of Internet Computing),
University of Cyprus.**

3. TEACHING

**University of Cyprus, Department of Computer Science
Fall 2021**

BSc Computer Science course: **Data Mining on the Web**

Spring 2022

MSc Data Science course: **Big Data Analytics**

European University Cyprus, School of Computer Science and Engineering

Fall 2015, Spring 2016, Summer 2016, Fall 2016, Spring 2017, Fall 2017, Spring 2018, Fall 2018, Spring 2019, Fall 2019

Courses:

Undergraduate: Database Systems
 Data Mining and Web Mining
 Information Systems Strategy and Management
 Fundamentals of Information Systems
 Search Engine Optimization and Internet Marketing
 Multimedia Systems
 Data Structures and Algorithms

Postgraduate: Advanced Database Systems
 Data and Knowledge Management for Decision Support
 Project Management and Risk Analysis
 Building e-Business

**National Technical University of Athens, School of Electrical and Computer Engineering
Teaching Assistant**

Fall Semesters
2012, 2013, 2014

Course: Analysis and Design of Information Systems

Duties: Responsible for the teaching of Database Systems fundamentals, the Oracle Database System and tools and the PL/SQL programming language.
Guidance of students for the design and development of a real-life Information System.

4. PROFESSIONAL SERVICE

Member of the “**Digital Championship**” Organizing and Judging Committee

Member of the Cypriot Government’s focus group for forming the **National Policy on Artificial Intelligence**

External Reviewer

IEEE ICDE Conference

Geoinformatica Journal

Knowledge-based Systems Journal

IEEE Internet Computing

5. ACADEMIC PEER-REVIEWED PUBLICATIONS

1. E. Spanakis, **C. Efstathiades**, G. Pallis, M. D. Dikaiakos: ***Real-Time Graph Visualization Tool for Vehicular Ad-hoc Networks***, 16th IEEE Symposium on Computers and Communications, June 28 - July 1, 2011, Kerkyra (Corfu), Greece.
2. **Efstathiades, C.**, Pfoser, D.: ***User-contributed relevance and nearest neighbor queries***. 13th International Symposium on Spatial and Temporal Databases 2013 (SSTD 2013), 312-329 (2013).
3. Efentakis, A., **Efstathiades, C.**, Pfoser, D.: ***COLD: Revisiting Hub Labels on the database for large-scale graphs***, SSTD 2015.
4. **Efstathiades, C.**, Antoniou H., Skoutas, D., Vassiliou Y.: ***TwitterViz: Visualizing and Exploring the Twittersphere***, SSTD 2015.
5. **Efstathiades, C.**, Belesiotis A., Skoutas, D. Pfoser, D.: ***Similarity Search on Spatio-Textual Point Sets***, EDBT 2016.
6. **Efstathiades, C.**, Efentakis A., Pfoser, D.: ***Efficient Processing of Relevant Nearest-Neighbor Queries***. ACM Transactions on Spatial Algorithms and systems, 2016.
7. Efstathiades, A., Georgiou, T., **Efstathiades, C.**, Efstathiades, H.: ***The impact of Human Resource Management Practices on the level of employee and customer***

satisfaction: The case of 5* hotels in Cyprus, Global Business & Economics Anthology, Volume 2, 2016.

8. Katzis, K., **Efstathiades, C.**, **Resource Management Supporting Big Data for real-time applications in the 5G era**, Book Chapter in: Advances in Mobile Cloud Computing and Big Data in the 5G Era, Springer publishing, 2016
9. Efstathiades, A., **Efstathiades, C.**, Efstathiades, H.: **The implementation of cross-functional teams in SMEs: the impact on the competitive priorities**, International Journal of Economics and Business Research, 2016
10. Efentakis, A., **Efstathiades, C.**, Pfoser, D.: **Hub Labels on the database for large-scale graphs with the COLD framework**, Geoinformatica, Volume 21, Issue 4, pp 703–732, 2017
11. Dimopoulos, C., Papageorgis, P., Boustras, G., **Efstathiades, C.**: **The concept of ageing in evolutionary algorithms: Discussion and inspirations for human ageing**, Mechanisms of Ageing and Development, Volume 163, Pages 8-14, 2017
12. Zaravinos A, Roufas K, **Efstathiades C**, Dimopoulos C. **Immune cytolytic activity across various cancer types**. 22th World Congress on Advances in Oncology & 20th International Symposium on Molecular Medicine. 5-7 October 2017. Metropolitan Hotel, Athens, Greece. Publication of Abstract in: Int J Mol Med 2017:40 (suppl 1): s25.
13. Zaravinos A, Roufas K, **Efstathiades C**, Dimopoulos C. **Immune cytolytic activity is correlated with distinct mutational events in colorectal cancer**. 22th World Congress on Advances in Oncology & 20th International Symposium on Molecular Medicine. 5-7 October 2017. Metropolitan Hotel, Athens, Greece. Publication of Abstract in: Int J Mol Med 2017:40 (suppl 1): s25.
14. Zaravinos A, Roufas K, **Efstathiades C**, Dimopoulos C. **Immune cytolytic activity in colorectal cancer**. Cancer Genomics. 5-8 November 2017. EMBL Heidelberg, Germany.
15. Zaravinos A, Roufas K, **Efstathiades C**, Dimopoulos C. **Immune cytolytic activity correlates with mutational burden and deregulated expression of inhibitory checkpoint molecules in colorectal cancer**. 5th International Multithematic Bio-Medical Congress (IMBMC). 2-4 November 2017. Nicosia, Cyprus.
16. Roufas C, Chasiotis D, Makris A, **Efstathiades C**, Dimopoulos C, Zaravinos A. **The expression and prognostic impact of immune cytolytic activity-related markers in human malignancies: A comprehensive meta-analysis**, Frontiers in Oncology, Volume 8, 2018
17. Belesiotis A, Skoutas D, **Efstathiades C**, Kaffes V, Pfoser D. **Spatio-textual user matching and clustering based on set similarity joins**. The VLDB Journal, 2018
18. Gkretsi V, Kalli M, **Efstathiades C**, Papageorgis P, Papanikolaou V, Zacharia L.C, Tsezou A, Athanassiou E, Stylianopoulos T. **Depletion of Ras Suppressor-1 (RSU-1) promotes cell invasion of breast cancer cells through a compensatory upregulation of a truncated isoform**. Scientific Reports, Volume 9, Issue 1, Nature Publishing Group, 2019
19. Zaravinos A, Roufas C, Nagara M, De Lucas Moreno B, Oblovatskaya M, **Efstathiades C**, Dimopoulos C, Ayiomamitis G.D. **Cytolytic activity correlates with the mutational**

- burden and deregulated expression of immune checkpoints in colorectal cancer**, Journal of Experimental & Clinical Cancer Research, 2019
20. Zaravinos A, Roufas C, Nagara M, De Lucas Moreno B, Oblovatskaya M, **Efstathiades C**, Dimopoulos C, Ayiomamitis GD. **Immuno-profiling of the microenvironment of colorectal cancer**. 24th World Congress on Advances in Oncology & 24th International Symposium on Molecular Medicine. 10-12 October 2019. Mystras, Sparta, Greece. Publication of Abstract in: Int J Mol Med 2019;44 (suppl 1): s10.
21. Charalampous A., Papadopoulos A., **Efstathiades C.**, Katzis K. **Technical and Social sensor aggregation for smart environment enhancement**, IEEE AFRICON 2021

6. MILITARY SERVICE

07/2003 - 08/2005 **Cyprus National Guard**
Commander of an artillery battery.
Served 25 months compulsory military service as a **Second Lieutenant of Artillery** in the Cyprus National Guard.