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STUDIES:

- 2022 MSc in Network and Complexity, Aristotle University Thessaloniki.
- 2009 PhD in Applied Informatics from the University of Macedonia, Greece.
- 1996 B.S. in Applied Informatics from the University of Macedonia, Greece.

PROFESSIONAL & EDUCATIONAL EXPERIENCE:

- 2019-now Specialized and Laboratory Teaching Staff on Department of Industrial Engineering and Management - International Hellenic University, specialized in "Social Information Systems".
- 2025–now Secretary General of EEEPE (Association of Greek IT Professionals & Businesses) (2025) <https://www.eepe.gr>
- 2014-2019 Principal at the Second Opportunity School of the Municipality of DELTA (high school level).
- 1999-2014 Teacher of Computer Science in various High Schools.
- 2008-2012 Head of Technical Support Team at Hellenic Language Research Center, www.greeklanguage.gr
- 1999-2004 Trainer for the Vocational Education and Training Organization (OEEK) teaching courses such as: “Windows Application Development”, “Visual Basic”, “Computer Programming”, “Introduction to Programming-PASCAL”.

DEVELOPMENT OF SOFTWARE APPLICATIONS:

- 2023- now Software Development (Backend C#) part time for <https://softweb.gr/>
- 2011- now Development of a commercial program **MyBusiness E.R.P.**, www.epsiloncomp.gr.

- 2018- 2022 Development of customize software for the maintenance and CNC department of Neproplast Industrial Company in Jeddah, Saudi Arabia.
<http://www.neproplast.com>
- 2000- now Development of customized software (**MyMedApp E.R.P**) for the management of medications, patients for many (~10) private psychiatric clinics.
- 2009-2019 Development of customize software NIRES E.R.P for the network of integrated real estate companies NIRES, www.nires.net.
- 1999-2012 Development of customize software Projects E.R.P for the integrated monitoring of projects of private construction companies.
- 2010-2012 Software and database development related to the organization of Professor Kriara's file, www.greek-language.gr.
- 2008-2012 Development of book management software for the book distribution of the Greek Language Center.
- 2000-2001 Development of monitoring software, teacher selection and situation creation for OEKK.

SPECIAL KNOWLEDGE:

- Analysis, design, and development of user-friendly and customized information systems.
- **M.S. SQL SERVER RDBMS**, TSQL, triggers, stored procedures, functions.
- **C#, Visual Basic (.NET)**. Special controls & tools <https://www.devexpress.com/>
- Familiarity with version control tools like Git
- Excellent problem-solving skills
- Strong communication and teamwork skills
- **Data Science (R, Python)**, Information Theory
- **Graph Databases (Neo4J)**, Network Theory
- Certified trainer of e-learning trainers (E-learning, National Center for Public Administration and Self-Government).

COURSE TEACHING:

- «Databases» (postgraduate lesson, Department of Industrial Engineering and Management - International Hellenic University)
- «Information Systems» (postgraduate lesson, Department of Industrial Engineering and Management - International Hellenic University)

- «Robotics» (undergraduate laboratory lesson, Department of Industrial Engineering and Management - International Hellenic University)
- «Technological design method and CAD-CAM-CAE» (undergraduate laboratory lesson, Department of Industrial Engineering and Management - International Hellenic University)
- «History of Civilization & Technology» (postgraduate lesson, Department of Industrial Engineering and Management - International Hellenic University)
- "Robotics" (postgraduate lesson "Applied Automation Systems", Department of Industrial Engineering and Management - International Hellenic University)
- «Information Society & 4th Industrial Revolution» (postgraduate lesson "Robotics, STEAM and new Technologies in Education", Department of Industrial Engineering and Management - International Hellenic University)
- "Philosophy, Art and Culture for the completion of STEAM" (postgraduate lesson "Robotics, STEAM and new Technologies in Education", Department of Industrial Engineering and Management - International Hellenic University)
- «Databases and Data Mining» (Laboratory Assistant in the Interdisciplinary Postgraduate Program "Informatics & Management" of the Department of Informatics & Economics of Aristotle University of Thessaloniki, 2012-2015)

COMPETITIONS:

8th Place in Central Macedonia Region Contest for Innovative Ideas with Business Plan «IPTVExplain», 10/07/2008.

RESEARCH INTERESTS:

- Social Informatics
- Information systems
- Databases, SQL
- Software Development
- Data Analysis
- Social Networks and Graph databases
- Sociology of Technology

PARTICIPATION IN RESEARCH PROGRAMS:

- Educational Course “Design of the KDAP-STEM”, International Hellenic

University (IHU).

- 2018-2020: Research program from Alexander Technological Educational Institute (ATEI): “Safe Cross-Border Transportation of Hazardous Materials: Orphan Radioactive Sources”. Design and Development of Information system.
- 2020: Research program from Free University of Bozen/Bolzano, Faculty of Computer Science: “Information Technology - Knowledge Discovery and Case-based Reasoning”. Software Development.

BOOKS CHAPTERS:

- Spyropoulos T., Andras C., Dritsas M., Polychronidou P., (2024), Founder’s Perceptions Analysis Using Graph Theory and Mutual Information-A Comparison before and after COVID-19 in Greek Start-Ups, in Social & Economic Studies within the Framework of Emerging Global Developments - Volume 5 (p. 47-60), ISBN 978-3-631-91392-5, DOI.10.3726/b21780, 2024 Peter Lang Berlin, Germany
- «New Technologies and Family», Collective, Kyriakidis Publications, 2009, ISBN: 978-960-6775-27-7

Publications Journal Papers:

- Emmanouil Koskinas, Zoe Gavriilidou, Christos Andras, Elina Chadjipapa. An empirical evaluation of Lexiscore®'s predictive validity in assessing Greek high school writing. Journal of Applied Linguistics Vol 38 (2025). <https://doi.org/10.26262/jal.v0i38.11080>
- Symeonidis, P., Rizos, E., **Andras, C.** et al. Deep reinforcement learning for personalized insulin dosing and glucose control of hospitalized in ICU patients. Int J Data Sci Anal (2025). <https://doi.org/10.1007/s41060-025-00857-1>
- Koskinas Emmanouil, Gavriilidou Zoe, **Andras Christos**, Angelos Markos, Linguistic factors affecting L1 language evaluation in argumentative essays of students aged 16 to 18 attending secondary education in Greece, Assessing Writing, Volume 60, 2024, 100844, ISSN 1075-2935, <https://doi.org/10.1016/j.asw.2024.100844>.
- Spyropoulos, T., **Andras, C.**, Dimkou, A. and Polychronidou, P. 2023. Using Mutual Information and Information Gain Ratios on Entrepreneurial Research: An Empirical Case for Greek I.T. Start-Ups . Oeconomica Jadertina. 13, 2 (Dec. 2023), 22–38. <https://doi.org/10.15291/oec.4195>
- Theocharis Stylianos Spyropoulos, **Christos Andras**, Persefoni Polychronidou: “An analysis of Start-Up Founders Perceptions based on Entropy Ratios - Evidence from the Greek I.T. market”, European Research Studies Journal ISSN: 1108-2976, Volume XXV, Issue 3, 2022, <https://ersj.eu/journal/3046>, DOI: 10.35808/ersj/3046

Refereed International Conference Publications:

- Spyropoulos T.S., **Andras C.**, Kartsiotis G., Polychronidou P., (2025), Opportunity and Technology Entrepreneurship IME GSEVEE Conference on the topic: "The new

dynamics of small businesses - Their role in the economy of tomorrow", Athens, on October 3 and 4, 2025.

- Theocharis Stylianos Spyropoulos, **Christos Andras**, Persefoni Polychronidou: «A Critical Review on the Relationships Between Entrepreneurial Variables, with the Use of Mutual Information and Information Gain Ratios», 30th International Economic Conference of Sibiu, IECS 2023, May 25-27, 2023, Sibiu, Romania.
- Theoharis Spyropoulos, **Christos Andras**, Michalis Dritsas, Persefoni Polychronidou: "Founder's perceptions analysis using graph theory and mutual information – A comparison before and after COVID-19 in Greek start-ups", 15th International Conference, "Economies of the Balkan and Eastern European Countries", EBEEC 2023, May 12-14, 2023, Chios, Greece
- Panagiotis Symeonidis, Theodoros Kostoulas, Vasiliki Danilatu, **Christos Andras**, Stergios Chairistanidis, "Mortality Prediction and Safe Drug Recommendation for Critically-ill Patients", The 22nd IEEE International Conference on BioInformatics and BioEngineering, IEEE BIBE 2022, DOI: 10.1109/BIBE55377.2022.00025, November 7-9, 2022 - Taichung, Taiwan
- Theocharis Stylianos Spyropoulos, **Christos Andras**, Aristotelis Dimkou, Persefoni Polychronidou: «Using Mutual Information and Information Gain Ratios on Entrepreneurial Research: An Empirical Case from Greek I.T. Start-Ups», Journal of Entrepreneurship, Management and Innovation, JEMI 2022
- Theocharis Stylianos Spyropoulos, **Christos Andras**, Persefoni Polychronidou: "An analysis of Start-Up Founders Perceptions based on Entropy Ratios - Evidence from the Greek I.T. market", 18th International Conference on Applied Business and Economics 2022 ICABE 2022 October 20-22, 2022, Valletta, Malta.
- Spyropoulos Theocharis Stylianos, **Christos Andras**, Apostolos Tsagaris: "Benefits of shift scheduling automation systems in healthcare systems", 2nd International Conference on Health Management, ICOHEMA 2021 March 19-21, 2021, Thessaloniki, Greece.
- Panagiotis Symeonidis, **Christos Andras**, Markus Zanker: "Predicting Safe Treatment for COVID-19 Patients along with Robust Explanations", 2nd International Conference on Health Management, ICOHEMA 2021 March 19-21, 2021, Thessaloniki, Greece
- Panagiotis Symeonidis, **Christos Andras**, Markus Zanker: «Treatment Recommendations for COVID-19 Patients along with Robust Explanations», 34th International Symposium on Computer-Based Medical Systems, IEEE CBMS 2021, Online Event June 7-9, 2021.

- Theoharis Spyropoulos, **Christos Andras**, Aristotelis Dimkou: «APPLICATION OF GRAPH THEORY ON ENTREPRENEURSHIP RESEARCH – NEW FINDINGS AND A NEW METHODOLOGY FRAMEWORK», 13th International Conference, Economies of the Balkan and Eastern European Countries (EBEEC 2021), Pafos, Cyprus May 14-16, 2021.
- **Andras Christos**, Tarasidis Themistoklis, Kouteranis Georgios, Tsagaris Apostolos, (2020): «The adaption of an information system to the requirements of GDPR law in Greece», 1st International Congress on Management of Healthcare & Welfare Units (ICOHEMA 2019), 29/11-1/12 2019, Thessaloniki, Greece.
- **Andras Christos**, Tsagaris Apostolos (2020), «The present and the future of health information systems», 1st International Congress on Management of Healthcare & Welfare Units (ICOHEMA 2019), 29/11-1/12 2019, Thessaloniki, Greece.
- John N. Kazazis, Rania Voskaki, Athanasia Margoni, **Christos Andras** (2013), Digitisation of the Complete Works of E. Kriaras in the Portal for the Greek Language (Digitization of works E. Kriaras at the Greek Language Portal), Εκδόσεις : University of the Aegean,
- **Andras Christos**: «Critical Approach to Internet Use». 2nd Panhellenic Interdisciplinary Conference, «E-life 2011 – Benefits and Risks of Using the Internet », (Hellenic Society for the Study of Internet Addiction Disorder), Thessaloniki 1-3 April 2011.
- Constantopoulou Christiana, **Andras Christos**, Deligiaouri Anastasia: “The power of Internet and the reflection of Information Technology in the daily Greek Press”. 8th Hellenic European Conference on Computer Mathematics and its Applications (HERCMA 2007), Athens University of Economics and Business, Athens 20-22 September 2007.
- Constantopoulou Christiana, **Andras Christos**: «The Culture of the Internet: Virtual Reality and Child Pornography». «6th Conference on Social Pediatrics», Hellenic Society for Social Pediatrics and Health Promotion in collaboration with the Pediatric Clinic of the University of Thessaly, Larisa 25-26 November 2006.
- Constantopoulou Christiana, **Andras Christos**: «The Culture of the Internet: Virtual Reality and Child Pornography». International Conference «We want SAFER CHILDREN on-line», (Greek Consumer Organization), Thessaloniki 20-22 September 2006.

INTERESTS - HOBBIES:

- Basketball Athlete at the EKASTH Championship (Basketball Association of Thessaloniki), from 1986 to 2010.
- Member of the Association of Greek Basketball Coaches (Second Class Degree).
- Bouzouki student and music lover.