

EDUCATION	B.Sc., M.Sc. Ph.D. in Applied Computer Science, University of Macedonia, Greece Thesis (co-advised by MIT - USA) : <i>A non-monotonic infeasible interior-exterior point algorithm for Linear Programming, January 2014</i>
DISTINCTIONS	Top 5% in Greece among 69,498 candidates (BSc Entry Nation-Wide Exams, July 2000) Honorary Research Associate School of Public Health - Faculty of Medicine, IMPERIAL
ACADEMIC POSITIONS	<div> University of Oxford, Oxford, UK <i>Lecturer in Modelling for Global Health, Nuffield Department of Medicine</i> Oct 2024 – Present </div> <div> Goldsmiths University, London, UK <i>Lecturer in Computer Science, Department of Computing</i> Oct 2023 – Oct 2024 </div> <div> University of Greenwich, London, UK <i>Lecturer in Computer Science, School of Computing & Mathematical Sciences</i> Sept 2022 – Sept 2023 </div>
RESEARCH EXPERIENCE	<div> IMPERIAL, London, UK <ul style="list-style-type: none"> <i>School of Public Health, MRC Early Career Research Fellow</i> <i>Machine Learning for Cardiopulmonary Disease Complications</i> July 2021 – Aug 2022 <i>Centre for Process Systems Engineering, Post-Doctoral Research Associate</i> <i>Network Optimization and modelling under sustainable development constraints</i> March 2015 – April 2016 </div> <div> University of Oxford, Oxford, UK <ul style="list-style-type: none"> <i>Medical Sciences Division, Department of Oncology, Senior Research Scientist</i> <i>ERC: Machine Learning/Data Science and Network modelling/optimization for cancer networks.</i> April 2019 – June 2021 <i>Smith School of Enterprise, Postdoctoral Researcher</i> <i>Software Engineering supervisor for Asset Risk management under sustainable development</i> June 2018 – March 2019 </div> <div> University College London, London, UK <i>Centre for Process Systems Engineering, Post-Doctoral Research Associate</i> <i>Scientific software development for mathematical modelling of multiple classes of optimization problems</i> May 2016 – June 2018 </div>
TEACHING	<div> LECTURER, UNIVERSITY OF OXFORD, NUFFIELD DEPARTMENT OF MEDICINE <i>Key tasks:</i> Supervising M.Sc Theses Teaching: Data Science (module lead) October 2024 – today </div> <div> ASSISTANT PROFESSOR IN COMPUTER SCIENCE, GOLDSMITHS UNIVERSITY, LONDON <i>Key tasks:</i> Supervising B.Sc Theses / FYP (5 students) Module Leader: (~200+ students cohorts) : i) Machine Learning (online), ii) Computing Project 1 & iii) Algorithms I October 2023 – October 2024 </div> <div> LECTURER IN COMPUTER SCIENCE, UNIVERSITY OF GREENWICH, LONDON <i>Key tasks:</i> Supervising B.Sc Theses / FYP (4 students) and M.Sc Dissertations (10 students) Teaching (~200 students cohorts) : i) Web and intranet Content Management, ii) Systems Design & Development, iii) Software Tools & Techniques, iv) Advanced Programming, v) Big Data September 2022 – September 2023 </div> <div> MRC FELLOW, MSc HEALTH DATA ANALYTICS AND MACHINE LEARNING PROGRAMME, EBS, SPH, IMPERIAL <i>Key tasks:</i> TRANSLATIONAL DATA SCIENCE II MODULE 3×45m / week Project supervisor (experiential learning) for 12 M.Sc students on: <i>In-depth phenotyping of early vs late asthma cases in UK BioBank</i> (JAN-APRIL 2022) </div>

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- [2] L. Winchester, L. van Bijsterveldt, A. Dhawan, S. Wigfield, **C. Triantafyllidis**, S. Haider, A. McIntyre, T.C. Humphrey, A.L. Harris, F.M. Buffa, *A Dicer-to-Argonaute genomic switch regulates miRNA biogenesis in cancer*, doi: <https://doi.org/10.1101/2021.08.30.458145>, 2021.

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- [2] **C.P. Triantafyllidis**, Barberis, A., Hartley, F., Cuervo, A.M., Gjerga, E., Charlton, P., Van Bijsterveldt, L., Rodriguez, J.S., Buffa, F.M., *A machine learning and optimization approach to uncover TP53 regulatory patterns*, *iScience Cell Press* (2023), doi: <https://doi.org/10.1016/j.isci.2023.108291>.
- [3] **C.P. Triantafyllidis** and Samaras N., *A new non-monotonic infeasible simplex-type algorithm for Linear Programming*, *PeerJ Computer Science*, 6:e265, 2020. DOI: <http://doi.org/10.7717/peerj-cs.265>
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- [7] Xiaonan Wang, Koen H. van Dam, **C.P. Triantafyllidis**, Rembrandt H.E.M. Koppelaar, and Nilay Shah, *Energy-Water Nexus Design and Operation towards the Sustainable Development Goals*, *Computers & Chem. Engineering*, 2019, DOI:10.1016/j.compchemeng.2019.02.007
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- [9] Koppelaar, R.H.E.M.; Sule, M.N.; Kis, Z.; Mensah, F.K.; Wang, X.; **C.P. Triantafyllidis**; Dam, K.H.; Shah, N. *Framework for WASH Sector Data Improvements in Data-Poor Environments, Applied to Accra, Ghana*. *Water* 2018, 10, 1278
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