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| Stylianos Argyrou  Data Scientist Profile | [Sty.Argyrou@gmail.com](mailto:Sty.Argyrou@gmail.com)  • Manchester, UK• +447548854046  <https://www.linkedin.com/in/stylianos-argyrou/> |

Highly analytical and growth-focused professional with ability to translate complex data into meaningful insights and develop advanced data-driven solutions. Capable of interpreting business requirements and engineering efficient solutions that drive business growth and profitability. Capacity to design machine learning systems and self-running artificial intelligence (AI) software to automate predictive models. Talent for delivering valuable insights via data analytics and advanced data-driven methods. Demonstrated expertise in machine learning and communications, well-versed in end-to-end software, systems, and applications development. Tech-savvy expert; adept at navigating emerging technologies and software/tools with ease. Skilled at successfully managing IT projects from inception to conclusion. Excellent communicator with strong interpersonal, strategic planning, problem-solving, and organisational skills.

**Areas of Expertise**

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| * Data Science Solution * Software Engineering * Process Optimisation * Data Warehousing | * Agile Methodologies * System Maintenance & Updates * Application Development * Machine Learning | * Project Management * Technical Troubleshooting * Problem Resolution * Data Visualisation |

Technical Proficiencies

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| Programming Language & Libraries: | Python | D3JS | NumPy | Pandas | Matpotlib | Flask | Pyplot | Tensorflow | Scikit-Learn | Keras | Git |
| Database: | MySQL | Firebase NoSQL |
| IDEs & Notebooks: | Visual Studio Code | PyCharm | Spyder | Jupyter Notebooks | Google Colab |
| IT & Visualisations: | Microsoft Word/PowerPoint/Excel | Google Docs/Slides/Sheets | Tableau |

Education

MSc Data Science

King's College London, 2020 - 2021

Acquired understanding of:

* Big Data (MapReduce, MongoDB, HIVEQL, Hadoop)
* Data Mining (Regression, Classification, Text Mining)
* Databases, Data warehousing (MySQL, NoSQL)
* Simulation/Data Visualisation (D3js, Bokeh, Seaborn)

Master Thesis: Impact of COVID-19 on Crime in London

BSc Computer Science

University of Leeds, 2017 – 2020

Developed expertise in:

* Mobile Application Development | Robotics | Computer Vision | Machine Learning | Secure Computing

Thesis: A Robotic delivery system | Grade First (1st)

"Head of School" Scholarship.

Career Experience

University of Cyprus, Nicosia, Cyprus 2022 – Present

Research Associate

Spearhead numerous projects from inception to successful completion within time constraints. Leverage expertise in writing research reports and manuals on variety of subjects, such as peacebuilding and digitalization in education. Participate in transnational project meetings to present project accomplishments and work updates. Develop and oversee variety of surveys for research to collect information from target audience.

* Achieved optimal outcomes while cooperating in several coding projects involving implementation of visualisations, creation of websites, and presentation of results.
* Brainstormed and proposed ideas for 50% of new Horizon and Erasmus+ proposals.
* Steered significant efforts in publishing first paper within 5 months of job.
* Boosted writing efficiency by 50% by developing new internal forms.
* Improved user experience and maximised engagement by analysing Big Data and Machine Learning-based educational system solutions.
* Created method/template for generating research reports, reducing writing time by factor of 5.

Additional Experience

Summer Intern, Ergo Home Energy LTD

Computer Technician, National Guard of Cyprus

Signature Projects

Impact of COVID-19 on Crime in London 2021

Research

* Collaborated with Mayor's Office for Policing and Crime in London on project to analyse past data on criminal activity in London and assess impact of COVID-19.
* Utilised Machine Learning techniques to forecast amount of criminal activity in London following lockdowns. Algorithms include ARMA/ARIMA predictions, RNN, and Simple Linear Regression.
* Achieved a 60% accuracy on predicted results and actual outcomes.
* Project was implemented 100% in Python.

A Robotic Delivery System 2019 – 2020

Research

* Focused on object detection research and robot grasping using TIAGo as part of senior project. Designed robotic application allowing robot to pick up objects of various shapes and drop them off at separate area.
* Project was implemented in both Python and C++.

Publications

Mettouris, C. et al. (2022) “CloudRecoMan: Cloud adoption made easy,” Conference on Information Technology for Social Good [Preprint]. Available at: <https://doi.org/10.1145/3524458.3547252>