

IOANNIS MAMALIKIDIS

COMPUTER & DATA SCIENCE

INTRODUCTION

Hi, I'm Ioannis, and I am passionate about data science, programming, and getting to use the latest technologies. As an organised, motivated, and highly creative individual, I love developing solutions which deliver first class results, as well as the challenges of working within a fast-paced working environment. With over 5 years of experience in R, Python and VB.Net, both as standalone & using Azure ML Cloud Computing, I'm ready to create whole solutions with both hard code and a user-friendly GUI. In an era of an ever-expanding horizon of knowledge and discovery, my passion for research and tackling problems in the form of source code could prove a fruitful ally.

EXPERIENCE

PROJECT MANAGER | VIANOX SVOLOS

2021 - Present

Managing the technical part of 'DeliNet', a complete platform for on-demand last mile, has afforded me the opportunity to collaborate with stakeholders, identify their wants and needs in as low an abstraction level as needed to ensure my team and I have fully grasped, to begin with, the totality of this new service's concept and can set realistic and accurate milestones. Working on this I have liaised with different project teams, both in-house and external. Development-wise, I employ an agile methodology via Azure DevOps, where I assume the role of SCRUM master, which facilitates better communication through the meetings as well as having a complete improved iteration at the end of each spring, ultimately delivering client-focused results on time.

DATA SCIENTIST | AKKA TECHNOLOGIES

2018 - 2020








As part of the Data Science team in AKKA Technologies, I've worked on projects ranging from creating Deep Neural Networks for predicting cavitation in water pumps to creating a concept system wherein devices with batteries (Electric Cars, Solar-powered Houses, Mobile phones, etc.) can automatically buy and sell energy depending on the user's schedule and the predicted prices for each implied point in time within the schedule. Technologies I leveraged include PyTorch, TensorFlow 2.0, H2O.AI Sparkling Water (Hadoop/Spark) and MXnet through R and Python to handle Regular and Big Data via SQL Server and NoSQL for Machine Learning purposes, and Tableau and Power BI for visualisation/demonstration purposes.

DATA SCIENTIST | GAMBLING MALTA LIMITED

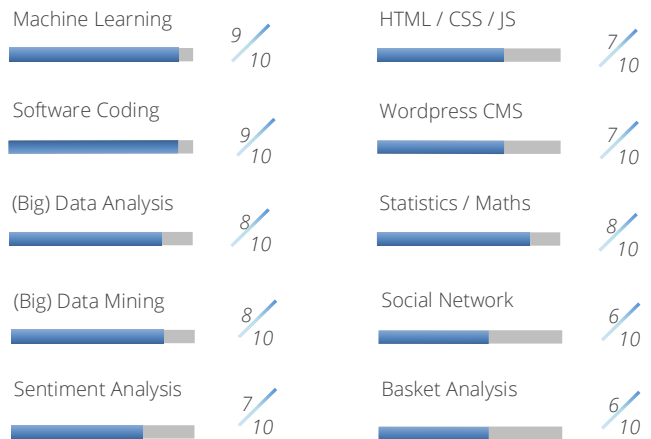
2017 - 2018

As a member of the "Intelligent Systems Lab" group which got the project for Fraud and Anomaly Detection for Stoiximan (Gambling Malta Limited), I worked with Cloud Services (Azure, AzureML, SQL Server) and employed Machine Learning (unsupervised learning and anomaly detection techniques using R, PowerShell, Bash) to create a system which has the ability to detect non-permissible behaviour, such as money laundering or addiction to the lottery or casino.

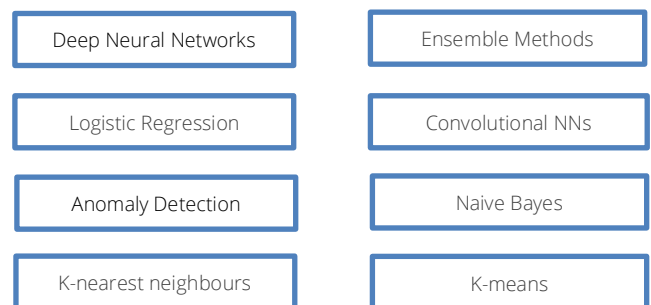
DETAILS

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SKILLS



ML TECHNIQUES



EDUCATION

M.SC IN COMPUTER SCIENCE

Aristotle University of Thessaloniki
2017 graduate

B.SC IN ELECTRICAL ENGINEERING

Eastern Macedonia & Thrace Institute of Technology
2014 graduate

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COMPUTER & DATA SCIENCE

EXPERIENCE (CONTINUED)

DATA ANALYST & PROGRAMMER | HEDNO S.A

2016 - 2017

Liaising closely with the Regulatory Adjustment Sector, I was responsible for analysing their database, making the necessary transformations for use with machine learning algorithms, and implementing software to automate the processes of data pre-processing, unsupervised learning and supervised learning in a user-friendly programme using .NET, R and SQL Server. Working with cutting-edge, highly scalable, multi-threaded and concurrent machine learning technologies, fitting for Big Data, I have been instrumental in optimising the supply chain leading to decreased inventory costs through modelling and predicted future projects approval.

DATA SCIENTIST & PROGRAMMER | FREELANCE

2007 - 2017

Through my personal website, <https://www.NihilisTslab.com>, as well as other services, I apply my knowledge in the areas of data science, data analysis, as well as programming, to create solutions according to customers' needs, in terms of machine learning, regular programmes or CMS websites.

PUBLICATIONS

ANALYZING THE ROLES AND COMPETENCE DEMAND FOR DIGITALIZATION IN THE OIL AND GAS 4.0 ERA

2021, IEEE, <https://ieeexplore.ieee.org/abstract/document/9598932>

MACHINE LEARNING METHODS FOR CUSTOMER'S PAYMENT ACCEPTANCE PREDICTION IN AN ELECTRICITY DISTRIBUTION COMPANY

2017, ACM Proceedings of the 21st Pan-Hellenic Conference on Informatics, <https://dl.acm.org/citation.cfm?id=3139367>

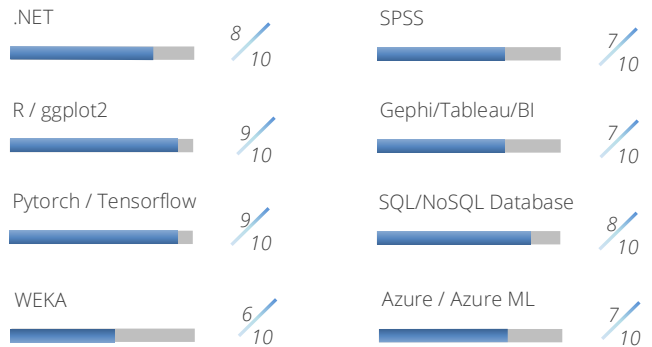
A FRAMEWORK FOR COMPARING MULTIPLE COST ESTIMATION METHODS USING AN AUTOMATED VISUALIZATION TOOLKIT, INFORMATION AND SOFTWARE TECHNOLOGY

2014, Elsevier, Pages 310-328, <https://doi.org/10.1016/j.infsof.2014.05.010>

STATREC: A GRAPHICAL USER INTERFACE TOOL FOR VISUAL HYPOTHESIS TESTING

2012, PROMISE '12 Proceedings of the 8th International Conference on Predictive Models in Software Engineering, Pages 39-48, <https://dl.acm.org/citation.cfm?id=2365331>

TECHNOLOGIES



ANALYTICAL TECHNIQUES



INTERESTS

SCIENCE

Science intrigues me and it is something I'm very passionate about. I've read many a book and watched a plethora of documentaries from contemporary scientists, including Neil deGrasse Tyson, Brian Cox, Brian Greene, Richard Dawkins, Lawrence Kraus and Michio Kaku. Being able to comprehend the world around me on a deep level and viewing it through the lenses of astrophysics, classical and quantum mechanics, chemistry, mathematics and chaos theory, elates me.

SOCIALISING

Being with friends, conversing or simply unwinding together is important to me. We are all social beings, and everything seems so much better when one is amongst friends. Sharing a moment, learning, or experiencing something new, or merely watching a series or going to the cinema with friends is my notion of happiness.