

IOANNIS MAMALIKIDIS

COMPUTER & DATA SCIENCE

INTRODUCTION

Hi, I'm Ioannis, and I am passionate about data analysis, 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 academic 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

RESEARCHER & COMPUTER SCIENTIST | STA.IN.S

2011 - Present

Working with the Statistics & Information Systems (STA.IN.S) group, <http://stains.csd.auth.gr/>, I've collaborated on research on statistical models over a wide range of multivariate statistical methodologies, computational statistical methods, stochastic & probabilistic models and optimisation algorithms. Amongst my work was developing software to automate aforementioned processes. The research work led to publications on peer-reviewed science journals and international conferences.

DATA SCIENTIST & PROGRAMMER | FREELANCE

2007 - Present








Through my personal website, <https://www.NihilisTsLab.com>, I have been available for hire to work on software engineering and web development projects. I apply my knowledge in the areas of mathematics, machine learning, social network analysis, as well as data analysis to code programmes or websites according to customers' needs.

DATA ANALYST & PROGRAMMER | HEDNO S.A

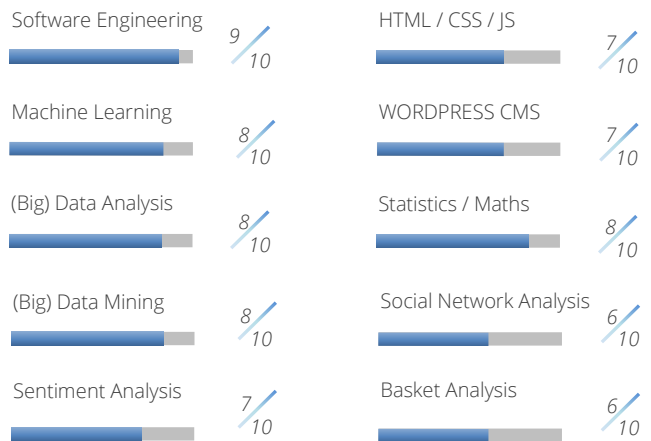
2016 - 2017

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. 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.

DETAILS

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 [/nih11st](https://github.com/nih11st)
 [/N1h11sT](https://twitter.com/N1h11sT)

SKILLS



ANALYTICAL 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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EXPERIENCE (CONTINUED)

PROGRAMMER - COLLEAGUE | TOUCH FUTURE UG

2012 - 2015

My responsibilities as a colleague of Touch Future UG encompassed the development of a POS management programme to provide an easy and user-friendly way to create reports for either personal or commercial users, as well as IRS-Ready sheets. The programme would load the z files and provide statistics on financials and products, as well as orders and servers.

RESEARCHER | HEPHAESTUS

2013 - 2014

As an undergraduate student employee on the Hephaestus Research Laboratory, the tasks I performed spanned from format-reviewing papers for publication on the institute's Journal of Engineering Science and Technology Review, to aiding and working with experiments on machines such as the Small-Angle X-Ray Scattering (SAXS).

PUBLICATIONS

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>

Authors: *Ioannis Mamelikidis*, Christos Karapiperis, Lefteris Angelis, Grigorios Tsoumakas and Ioannis Vlahavas

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>

Authors: Nikolaos Mittas, *Ioannis Mamelikidis*, Lefteris Angelis

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>

Authors: MITTAS N., *MAMALIKIDIS I.*, AGGELIS L.

TECHNOLOGIES

.NET



9/10

SPSS



7/10

R



8/10

Gephi



7/10

WEKA



8/10

SQL/NoSQL Database



8/10

Python



7/10

Azure ML



8/10

ML TECHNIQUES

Anomaly Detection

Support Vector Machines

Logistic Regression

Decision Trees

Random Forest

Naive Bayes

K-nearest neighbours

K-means

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 Bill Nye. 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.