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LinkedIn - GitHub - Website

Dimitris Poulimenos

SKILLS

- Machine Learning
- Data Science
- Statistics
- Problem Solving
- Deep Learning
- Data Engineering
- CRISP-DM
- Statistical Analysis
- Python
- C
- R
- EDA

EDUCATION

09/2023 – 09/2024 **Data Science with AI,** Newcastle University – Master's Degree

- Statistics, Machine Learning, Deep Learning, Data Management
- CRISP-DM, Exploratory Data Analysis, NLP, Sentiment Analysis

09/2020 – 06/2023 **Computer Science,** Newcastle University – Bachelor's Degree

- Databases, Mathematics, Computer Science
- Artificial Intelligence, Data Science, Programming

09/2019 – 06/2020 **Engineering and Computer Science,** UKFC Foundation

- Preparation for the University with an overall mark of 82%
- Mathematics, Physics, Chemistry, Computer Science, Statistics

10/2013 – 09/2015 **Network and Telecom Technician,** IEK Delta

- Cisco Networking, Computer Networking, Windows Server, Linux Server, Structured wiring, Hardware Troubleshooting

MY PROJECTS

11/2023 – 12/2023 **Breast Cancer Statistical Analysis and Classification**

- In this project, I analysed the BreastCancer data set which concerns characteristics of breast tissue samples collected from 699 women in Wisconsin using fine needle aspiration cytology (FNAC). The aim of this analysis was to create multiple classifiers based on the nine cytological characteristics to predict the tumour class which is the "Class" column in the BreastCancer data set.
- GitHub repository: https://github.com/dpoulimen0s/BreastCancer-Tumor-Classification

12/2022 – 12/2022 **Image Classification with Convolutional Neural Networks**

- This project, undertaken as a part of the 3rd year of the bachelor's degree program at Newcastle University, involves the development and optimization of a CNN architecture for image classification. The primary goal is to achieve high accuracy in classifying images using deep learning techniques.
- GitHub repo: https://github.com/dpoulimen0s/CNN-Image-Classification

11/2022 – 12/2022 **House Price Prediction using Regression Models**

- This project contains the implementation and improvement of four regression models: Linear Regression, Random Forest Regression, Support Vector Regression, and Bagging Regression predicting houses prices. The primary goal was not only to create these models but also to enhance their performance and compare them.
- GitHub repo: https://github.com/dpoulimen0s/ML-Regression-Models

09/2023 – 10/2023 **Statistical Analysis on Palmer Penguins (EDA)**

- This exploratory data analysis report is part of a statistics assignment for my master's degree at Newcastle University. The data used in this analysis is from the Palmer Station in Antarctica, focusing on the Palmer Long-Term Ecological Research (LTER) study area and specifically examining a sample of 200 penguins.
- GitHub repo: https://github.com/dpoulimen0s/PalmerPenguins-EDA

10/2023 – 11/2023 **Cloud (Super)computing Terapixel performance evaluation**

- In this project I spearheaded the analysis of terapixel rendering using cloud supercomputing. My focus was on evaluating GPU performance, where I uncovered crucial insights into the effects of temperature on GPU efficiency and task runtimes. This work not only advanced our understanding of cloud-based visualization in urban data but also guided optimization strategies for improved system performance.
- GitHub repo: https://github.com/dpoulimen0s/Terapixel-Performance-Evaluation

11/2021 – 01/2022 **Carbon Tracer (Python Web Application)**

- This web application is a carbon emissions calculator where users can find out how they impact the planet, and a quiz where users can test their knowledge on contributing factors to carbon emissions. There is also a frame for users logging in and out, role-based access, and an extensive platform admins can use to change the questions for users and send messages to users. Users are notified in an inbox when new questions are posted and can edit their profile details.
- GitHub repo: https://github.com/dpoulimen0s/Carbon-Tracer

EXPERIENCE

03/2018 – 08/2019 **Food Server**, Restaurant Thessaloniki München – Munich, Germany

- Tidying up the customers as well as running the restaurant smoothly was the main feature of the job as well as managing the workload. Good communication with the team inside and outside the kitchen was the most important thing. Also, the job required knowledge of the German language.

10/2015 – 02/2018 **Bartender/Kitchen**, Aggelopoulos Cafe – Athens, Greece

- This position required a lot of organization and forethought because we had to serve a huge number of customers in a very short period. It was the team that made this possible though. Moreover, with my daily contact with customers I was able to develop my social skills.

03/2015 – 09/2015 **Network Technician Intern**, IEK Delta – Athens, Greece

- My internship had to do with the management of the network and the company's computers as well as their upgrades. Grading the roles of the company as well as the distribution of rights were also a key concern of mine. Also, I had very good communication with the company's departments and so the problems were solved immediately.