ALEXANDRA ZISIMOPOULOU

SOFTWARE DEVELOPER

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🌐 zisimopoulou.github.io   in Alexandra Zisimopoulou   🐱 Zisimopoulou

SKILLS

Programming Languages : Python, Java, C++, MATLAB
Software Skills : TensorFlow, Matplotlib, Numpy, SQL, NoSQL, MongoDB, Git, Jira
Languages : English (C1), Greek

PROJECTS

🐱 Food Vision

In this machine learning project we leverage the entire Food101 dataset, TensorFlow Datasets, and advanced techniques to build a model that aims to beat the DeepFood paper's top-1 accuracy of 77.4%.

🐱 Master Thesis: The CMB on large angular scales

- Experience in data analysis, including statistical analysis, data visualization, and numerical programming using MATLAB.
- Experience in exploratory data analysis to extract valuable insights from datasets.
- Mathematical Skills: Linear algebra, Statistical mechanics, Differential Equations

WORK EXPERIENCE

Software Developer   07/2022 – Now

PublicNEXT

- Technologies : Spring framework, Oracle SQL Developer, MongoDB, Git, Jira
- Worked on Microservices
- Implemented scheduling mechanisms to automate Viber/SMS and email workflows.
- Implemented Restful API communication workflows
- Database management, including creating procedures, triggers, and data manipulation.
- Developed backend functionality to manage URL directives for specific product listing pages

Researcher   10/2021 – 01/2022

Foundation for research and technology

Numerical calculations of optical and thermodynamic properties for metals.

COURSES

TensorFlow Developer Certificate in 2023: Zero to Mastery

- Neural Network Regression & Classification
- Computer Vision
- Transfer Learning
- NLP
- Time Series

CS-473 Pattern Recognition

- Likelihood & Distribution function
- Prior and Posterior Probabilities
- Maximum Likelihood Estimation
- Bayesian Parameter Estimation
- Hypercube and Gaussian functions
- kth-Nearest Neighbor (KNN) classifier
- Parzen Windows classifier
- Steepest Descent algorithm

EDUCATION

Master of Science in Physics, University of Copenhagen   2018 – 2020

Thesis Title : The CMB on large angular scales

Bachelor of Science in Physics, University of Crete   2012 – 2018

Thesis Title : Perfect Transmission in Non-Hermitian Scattering Media

GPA: 7.82/10