

Thanasis Tzimourtas

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Gerakas, Athens, Greece

EDUCATION

- **Bachelor Department of Informatics and Computer Engineering**

University of West Attica

2014-2023

MY THESIS

- **Social Network analysis for fake news using Machine and Deep Learning**

Studying and detecting fake news, both English and Greek articles on social media, using machine learning algorithms. More specifically, the work studies and compares the "conventional" machine learning algorithms such as Support Vector Machines, Random Forest, Naive Bayes, K-Nearest Neighbor with the deep learning algorithms such as, Convolutional Neural Network, Recurrent Neural Network as well as a hybrid of these two. Another part of the work also studies the differences in performance between the various Word Embedding techniques. It also aims at detecting false news in the Greek language because there are several studies on English texts, while for texts with Greek characters, there is not so much documentation.

SKILLS

- **Technologies**

Python, C++, C, Java, MySQL, Tensorflow, Keras, ROS2

- **Patterns & Practices**

Studying and making machine learning algorithms in Python for document classification problems, Object Oriented Programming, Functional Programming

- **Soft Skills**

Patience, Attention to detail, Creativity, Desire to learn, Project Management, Communication, Scientific Writing, Adaptability

- **Domain Expertise**

- * **Precision Agriculture:** Development of robust control algorithms for agricultural automation and irrigation systems
- * **Machine Learning:** Algorithm development for image classification and agricultural applications
- * **Control Systems:** Implementation of reliable control mechanisms for precision farming equipment
- * **Autonomous Navigation:** Development of self-driving algorithms and path planning systems
- * **Robotics Engineering:** Design and implementation of robotic systems and control mechanisms

PROJECTS

- **Smart Food Chatbot** [github.com]

A mini project using machine learning to determine the right interaction between a food restaurant's chat bot and the potential customer.

Python, Tensorflow, Tflern

- **Survey on Support Vector Machines and Machine Learning in documents**[github.com]

A well-developed work on machine learning algorithms that also contains an experimental piece with final conclusions about the texts studied.

Python, Sklearn

- **Desktop Console Game** [github.com]

A small game written with the help of the ncurses library and is quite reminiscent of the well-known pac man game.

C++, Ncurses

OTHER HIGHLIGHT

- My Survey on Support Vector Machines and Machine Learning in documents with title "An exploration on text classification using machine learning techniques", published at 25o Panhellenic Conference on Informatics (PCI2021) on 22 February 2022.[dl.acm.org]

EXPERIENCE

- **Smart Farming Technology Group - Agricultural University of Athens**

Research Associate/Software Developer - Athens, Greece
June 2023 - Present

Working on innovative agricultural technology solutions, developing machine learning algorithms and prototype systems for precision agriculture. Leading research efforts in agricultural automation while contributing as a reviewer for scientific papers in prestigious journals like Elsevier.

- **Manassis Travel**

Data Entry - Athens, Greece
April 2018 - May 2019

In collaboration with the company responsible for the site, I entered the information of the travel packages as I had direct contact with the company in matters of design and functionality of the site.

CERTIFICATES

- **Udemy Certificate**

March 18, 2023

Python for Data Science and Machine Learning Bootcamp

- **English B2**

July 20, 2011

State certificate language proficiency

HOBBIES & INTERESTS



Machine Learning



Problem Solving



Information Retrieval



Kaggle