



Eleftherios Charteros

MSC GRADUATE IN COMPUTER SCIENCE

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Education

Athens University of Economics and Business

MASTER OF SCIENCE IN COMPUTER SCIENCE AND INFORMATICS, GPA: 9.77/10 (EXCELLENT)

Athens, Greece

Oct 2019 - Oct 2020

- Specialization in Artificial Intelligence/Machine Learning and Information Systems.

Athens University of Economics and Business

4-YEAR BACHELOR OF SCIENCE IN COMPUTER SCIENCE AND INFORMATICS, GPA: 8.88/10 (EXCELLENT)

Athens, Greece

Oct 2015 - Jun 2019

- Specialization in Artificial Intelligence/Machine Learning, Databases and Knowledge Management and Information Systems and Information Security.

Experience

Software Engineer

GREEK ARMY

Rhodes, Greece

Nov 2020 - Aug 2021

- Reduced business complexity and automated operations for the Rhodes Officers Club by developing an online ordering and booking management system.

Research Assistant

ATHENS UNIVERSITY OF ECONOMICS AND BUSINESS

Athens, Greece

Oct 2019 - Oct 2020

- Developed a novel solution for model training in Federated Learning which achieved up to 5% higher accuracy on Non-IID data on early communication rounds by proposing a layer-wise regularization to the loss function.

Huawei's Seeds for the Future

SCHOLARSHIP PROGRAM

Beijing and Shenzhen, China

Nov 2018

- Selected as one of 11 students from all Greek engineering and technology universities based on academic performance for a 2-week study trip with cultural experiences and intensive training concerning 5G, the Internet of Things and Artificial Intelligence.

Research and Publications

Athens University of Economics and Business

IMPROVING ACCURACY AND PERSONALIZATION IN FEDERATED LEARNING

Athens, Greece

Oct 2020

- MSc Thesis.

Athens University of Economics and Business

EDGE COMPUTING FOR HAVING AN EDGE ON CANCER TREATMENT: A MOBILE APP FOR BREAST IMAGE ANALYSIS

Athens, Greece

Feb 2020

- Publication at IEEE, IoT-Health workshop.

Honors and Awards

John Kavouras Award

Nov 2017

- Award from Athens University of Economics and Business for highest grade in the subjects of "Computer Systems Organization" and "Operating Systems".

Skills

Languages

Python, Java, Javascript, Typescript, HTML, CSS

Software & Tools

Pytorch, Keras, Tensorflow, Android Studio, Github, React, Angular, Firebase

Soft Skills

Goal oriented, Problem solving, Organization and time management, Adaptability and flexibility

Projects

For more projects and details see: <https://github.com/harteros>

Food Ordering and Room Reservation System with Angular

2021

- Web application with Angular and Firebase for food orders, haircut reservations and booking system for Rhodes Greek Army Officers Club (lethrodou.gr)

Sentiment Analysis with Neural Networks

2020

- Sentiment analysis with Multilayer Perceptrons, Recurrent Neural Networks and Stacked Convolutional Neural Networks on the Twitter Sentiment Analysis Dataset.

Image Classification with Convolutional Neural Networks

2020

- Experiments with multiple Convolutional Neural Network architectures and variants written in Tensorflow for classifying Fashion-MNIST images.

Air Traffic Classification

2019

- A feature engineering and machine learning task for classifying the number of passengers in flights.

Multilayer Perceptron, Expectation Maximization Algorithms

2019

- A simple Multilayer Perceptron written from scratch in Python for classifying MNIST and CIFAR-10 datasets.
- The Expectation-Maximization algorithm written from scratch in Python for image compression and reconstruction.

KokSotiriou

2018

- A theoretical training Android application for prospective drivers.

Collaborative Filtering Recommendation System with Android Application

2018

- A recommendation system that suggests to its users the best points of interest based on their check-ins.

A-Star, Naive Bayes, ID3, AdaBoost Algorithms

2018

- Machine Learning algorithms written from scratch in Java.

Simple Linux Shell

2017

- A simple linux shell in C supporting commands with arguments, capable of performing I/O redirections and using multiple pipes.

Languages

Greek

Mother Tongue

Hungarian

Mother Tongue

English

2013

Certificate of Proficiency in English, University of Michigan.