ALKIS KOUDOUNAS

Ph.D. Student @ Politecnico di Torino

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EDUCATION

Ph.D., Computer Engineering
Politecnico di Torino, joint project with Amazon Alexa AI

📅 November 2022 – Today   📍 Turin, Italy

Research Topics: Fairness in End-to-End Spoken Language Understanding Systems, Speech and NLP models

Activities:

- Attending Advanced Language Processing Winter School 2023

M.Sc., Computer Engineering, Data Analytics
Politecnico di Torino, 110 cum Laude

📅 2019 – 2021   📍 Turin, Italy

Thesis: NN-Based Approach for Object Detection and 6 DoF Pose Estimation with ToF Cameras in Space

B.Sc., Computer and Automation Engineering
Università Politecnica delle Marche, 110 cum Laude

📅 2016 – 2019   📍 Ancona, Italy

Thesis: Gradient-based Learning Methods Extended to Smooth Manifolds Applied to Automated Clustering

WORK EXPERIENCE

Scolarship for Research Activities
Politecnico di Torino

📅 March 2022 – October 2022   📍 Turin, Italy

Research Topic: Fairness in End-to-End Speech Systems

Activities:

- Presenting and Volunteering at ACM Multimedia 2022
- Attending Mediterranean Machine Learning Summer School 2022
- Volunteering at ADBIS 2022

M.Sc. Internship
Thales Alenia Space Italy

📅 May 2021 – Nov 2021   📍 Turin, Italy

Thesis research work on development of a NN-based approach for Object Detection and 6 DoF Pose Estimation with ToF Cameras, under the guidance of Eng. Andrea Merlo

Scholarship on "Data Science and Database Technology" Course
Politecnico di Torino

📅 October 2020 – January 2021   📍 Turin, Italy

Part-time collaboration with Politecnico di Torino

B.Sc. Internship
TUAT, Tokyo University of Agriculture and Technology

📅 March 2019 – May 2019   📍 Tokyo, Japan

Thesis research work on optimization algorithms, under the guidance of professors Simone Fiori and Toshihisa Tanaka

ABOUT ME

I am a half Greek-half Italian Ph.D. student, deeply astonished by the mystic AI kingdom we are living. I love exploring problems and envisioning unseen solutions. I treasure listening to music, travelling and taking night-ish photos. I do relish space and the immensity that surrounds it.
"Ad Astra per Aspera"

TEACHING

Data Science Lab: Process and Methods
Teaching Assistant

📅 2022 – Today   📍 Politecnico di Torino

Data Science and Database Technology
Teaching Assistant

📅 2022 – Today   📍 Politecnico di Torino

OTHER EXPERIENCES

🏆 **NASA Space Apps Challenge 2022**
2nd Prize

🎵 **1° The Sound of AI Hackathon 2022**
"Most Marketable Solution" Prize

RoboTO Team
AI & CV Division

</> **IEDC Ancona**
IT and Technical Support

👥 **Scout Leader**
Deputy head of AN2 group, Head of "Wolf Cubs", children aged 8-11

🚀 **AESA Association**
Organization of space-related events

COMPUTER SKILLS

Python   C++   Java   C

PyTorch   Transformers
TensorFlow (Learning)   Jax (Learning)

HTML   CSS   Javascript   React.js

LANGUAGES

Italian (Mother Tongue)
Greek
English
Spanish