

Ioannis Manousaridis

Computer & Electrical Engineer
Tripoleos 35, 55131, Thessaloniki, Greece

 giannismanu97@gmail.com
 +30 6976574667
 /imanousar
 /Giannis Manousaridis

A hard working, versatile, innovative and passionate engineer with good soft skills like team work, communication, delegation and leadership acquired from different volunteering programs and summer schools. Passionate, open-minded, curious about finding optimal solutions to AI problems and trying to make real value out of them. Interested mastering different areas of Software Engineering while in parallel working with Machine Learning.

Languages - Skills

- **Excel:** Python,
- **Currently Working a lot with:** FastAPI, LangChain, DeepEval, SQL Alchemy, Pytest
- **Good with:** Linux, Windows, Git, MS Tools, Dataiku
- **Practicing/Learning:** AWS (DVA-C02 exam in August), GitHub Actions, Docker, Celery, Queues
- **Used a lot in university/past:** R, C/C++, Matlab, Assembly AVR, Pytorch, Pytorch Geometric, GNNs, Graphs, scikit-learn, Tableau, Raspberry, Arduino, IoT, MySQL
- **Hobbies:** [3D Printing](#), Cura, Blender, TinkerCad

Work Experience

- **Dec 22 – Present: Sr Associate MLOps Engineer at Pfizer.**
 - Currently leading a group of 6 people: Design an REST application to help evaluation of LLM systems with the DeepEval, Ragas libraries.
 - Working in Natural Language projects for RAG solutions (LangChain, DevOps, FastAPI, GitHub), Chatbots (Streamlit, Langchain) or Keyword extraction tools (NLTK, Spacy).
 - Designing, optimizing, refactoring, automating, deploying, monitoring ML workflows (Snowflake, ETL on commercial data, HCP segmentation).
 - Both monitoring and working in maintenance and refactorization of third party tools (Python, AngularJS, testing, CI/CD, git, Dataiku) inside the team.
 - Part of an Agile team.
- **Sept 22 – Nov 22: Data Science Masterclass:** Bootcamp organized by Code.Hub and Pfizer. Technologies and tools used during the training: Python, ML, ETL-Datawarehouse, Flask, MySQL (Microsoft SQL), Tableau, React, Git (100 hours). **Final project:** Build an app with React and Flask to predict Airbnb prices. ([App](#), [docs](#), [repo](#)).
- **Jan 22 – Sept 22: Robotics Engineer at Robotixlab** (part time). Responsible for updating the website, fixing hardware problems on robots, testing new functionalities of Theta robot, teaching to high school students.
- **Sept 21- Sept 22: Military Service** in the **Airforce** with **Firefighter** specialty (basic firefighter certification).
- **Aug-Oct 20: Data Science Engineer at NET2GRID HELLAS.** Focused on finding and designing solutions for NILM (Non-Intrusive Load Monitoring) problems in python language.
- **May 18 - May 19: Software/Hardware Engineer at R4A (Robotics 4 All).** A voluntary project about the IoT resources abstraction into an agnostic IoT instruction set. Worked with PCBs designing and soldering, Arduino, Raspberry Pi, and learnt about messaging protocols and brokers used in IoT field (MQTT, RabbitMQ).

Below jobs are not related with Computer Science but helped me a lot with my Soft Skills

- **Summer 17, 18: Senior Residential Assistant at Johns Hopkins CTY** (Centre for Talented Youth) Summer Program at Anatolia college. Orient, train and guide the residential staff, facilitate daily residential staff meetings and oversee the planning, preparation and implementation of daily activities
- **Summer 16: Residential Assistant at Johns Hopkins CTY** Summer Program at Anatolia college. Responsible for supervising and supporting students during non-academic times.

Awards

- 2nd place in [Crowdpolicy](#)'s Infinitech Innovation Hackathon. The Infinitech Hackathon is considered the 3rd biggest European fintech Hackathon. Developed an ML-based tool to detect frauds in the requests related to loans for vehicle purchase – 2K Price.



Publications

- **“Ms Pacman and the Robotic Ghost: A Modern Cyber-Physical Remake of the Famous Pacman Game.”**
Oct – 19, Sixth International Conference on Internet of Things: Systems, Management and Security (IOTSMS).



Pre Work Projects

- **ML-from-Scratch** – Designed some stuff from sklearn from scratch
- **Automatic-Subtitles-Synchronization**: Machine learning techniques to synchronize the subtitles of movies.
- **GitInsightsDB**: A fully functional database system for storing data from GitHub and providing stats build with MariaDB, MySQL, Django, HTML, CSS, Bootstrap.
- **Data Science – COVID19 Project**: Clustering analysis about the COVID-19 infections.
- **C-Shell**, a linux bash shell implementation in C built from scratch.



Education

- **Sept 15 - Dec 21: Bachelor & MSc in Electrical & Computer Engineering**, Aristotle University of Thessaloniki (A.U.Th.). Final Grade: 8.81. ECTS: 319
- **Nov 20 - Nov 21: Thesis**. Development of different machine learning techniques (KNN, SVM, RF, ANNs, GCNs, GATs) to discriminate and recognize human activity from GPS trajectory data.
- **Feb 20 - Jun 20: Erasmus Studies** at Akademia Górniczo-Hutnicza (AGH) University of Science and Technology.
- **BEST (Board of European Students of Technology)**
 - **Quantum Information Course** (25 hours) in **Université libre de Bruxelles (ULB)**, **No-17**.
 - **Internet of Things Course** (26 hours) in **Polytechnic Institute of Coimbra (PIC)**, **Aug -19**.
 - **Innovation Course** (25 hours) in **Universitat Politècnica de València (UPV)**, **May – 19**.

Other

- **Language**: Greek (native), English(fluent), French (basic)
- **Licenses**: Driving License, Skipper License, [ERC qualification Basic Life Support](#)
- **Volunteer**: [YMCA](#) 2010-2017 (sub-leader, leader, trainer, staff)
- **Old Hobbies**: Chess, Slackline, CrossFit, Shogi, DnD, LoR (card game)