

# Iasonas Kakandris

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## Professional Experience

<b>MLOps Engineer (formerly ML Engineer Intern)</b> , ICS, FORTH, Greece	July 2025 – Present
<ul style="list-style-type: none"><li>Trained a machine learning model for semantic segmentation of river regions, achieving a Dice score of 0.91.</li><li>Deployed the containerized data pipeline on Kubernetes, integrating Kafka, MinIO, PostgreSQL, and Grafana.</li><li>Developed a full-stack web application for real-time model interaction, visualization, and performance monitoring.</li></ul>	
<b>Software Engineer Intern</b> , Technology Without Borders, Greece	July 2024 – Sept 2024
<ul style="list-style-type: none"><li>Created customized B2B apps using Microsoft PowerApps, reducing processing time by 98%.</li><li>Designed an event management app using Flutter and Dart with real-time tracking and cloud integration.</li><li>Built a Chrome extension using Plasmo and Firebase for a cross-platform reminders app.</li></ul>	
<b>Software Engineer</b> , SpaceDot, Greece	Nov 2021 – Nov 2024
<ul style="list-style-type: none"><li>Developed the Angular-based UI for the satellite data transmission system facilitating better UX.</li><li>Dockerized the application, reducing deployment time by 40% and improving satellite systems' cross-environment functionality.</li></ul>	

## Key Skills

**Programming Languages:** Python, C++, Java, TypeScript, Dart, C

**Software tools:** Angular, Flutter, Kafka, Quix, Kubernetes, SQL, Git, Docker, Jinja, TextX, Grafana, FastAPI

## Education

<b>Aristotle University of Thessaloniki (AUTh)</b> , Thessaloniki, Greece	Sept 2019 – Dec 2025
M.Eng in Electrical and Computer Engineering (integrated masters; 300 ECTS)	
<ul style="list-style-type: none"><li><b>Grade:</b> 8.13/10</li><li><b>Major:</b> Electronics and Computers</li><li><b>Key modules:</b> Computer Architecture, Object-Oriented Programming, Data Structures, Algorithms Analysis and Design, Neural Networks - Deep Learning, Signals and Systems, Software Engineering I &amp; II</li><li><b>Thesis:</b> Design and implementation of a textual domain language to produce machine learning applications on data streams<ul style="list-style-type: none"><li>Developed a declarative DSL using TextX and Jinja for streaming ML pipelines.</li><li>Integrated Kafka, Quix Streams, and River for real-time data ingestion and online learning.</li><li>Used Docker for deployment and enabled data visualization</li></ul></li><li><b>Relevant Projects:</b><ul style="list-style-type: none"><li><b>CrisisMapper:</b> Disaster mapping tool using SQL and Angular, centralizing critical disaster information.</li><li><b>Neural Networks:</b> Developed and compared SVM, MLP, and RBF models in Python.</li><li><b>KitchenGuard:</b> Arduino-based project enhancing kitchen safety and security.</li></ul></li></ul>	

## Personal Projects

**Self-Hosted Media Server Stack:** using Docker with \*Arr apps Jellyfin and qBittorrent, secured via VPN.

**From bits to being:** A blog website using jekyll to share knowledge about DIY projects, and technology.

## Certifications

<b>Cubesat Hands-on Training Week 2022</b> , European Space Agency	May 2022 - June 2022
<b>Automatic Control of Aerospace Systems</b> , Delft University of Technology	Nov 2023 - Nov 2023

## Societies and Affiliations

Mensa – Member: Top 2% IQ globally, admitted based on standardized intelligence testing

## Languages

Greek (Native), English (C2) , German (B1), Italian (B2)