

MICHALIS LAMPRAKIS

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EDUCATION

TECHNICAL UNIVERSITY OF CRETE

INTEGRATED MASTER IN ELECTRICAL AND COMPUTER ENGINEERING

September 2020 - July 2026 | Chania, GR

- **Thesis:** Full-stack framework for issuing Digital Product Passports using Blockchain technology (In collaboration with INDIGO TUC).

EXPERIENCE

INDIGO RESEARCH GROUP | R&D SOFTWARE ENGINEER

Sep 2026 – Present | Chania, GR

- Participate in European research projects, designing and developing software solutions for industrial and digital innovations.

THALES NETHERLANDS | INTERN CYBER SECURITY ENGINEER

July 2025 – Sep 2025 | Hengelo, NL

- Collaborated with an expert cybersecurity team in a highly innovative environment, gaining hands-on insights into security operations within the naval domain.
- Conducted vulnerability monitoring and executed comprehensive security assessment analyses and network scans on radar systems.
- Actively contributed to secure product development, with a focus on network protocol parsing and system integration.

ENTASI RADIO 93.5 FM | IT & EQUIPMENT DEPARTMENT DIRECTOR (VOLUNTEER)

2020 - 2026 | Chania, Greece

- Served as an active member of the TUC student radio station throughout my entire academic studies.
- Maintained the web server infrastructure for high availability, utilizing Linux, Nginx, and Docker.

PROJECTS

MAP-REDUCE ON KUBERNETES | DISTRIBUTED SYSTEMS, KUBERNETES, MICROSERVICES

- Developed a highly scalable and fault-tolerant distributed system for parallel computations.
- Orchestrated a microservice-based architecture on Kubernetes, integrating SSO authentication and distributed data storage.

E-COMMERCE MICROSERVICES PLATFORM | GCP, DOCKER, APACHE KAFKA, POSTGRESQL, KEYCLOAK

- Built and deployed a distributed platform on GCP Virtual Machines using Docker Compose.
- Developed independent APIs and integrated Apache Kafka for event-driven asynchronous processing.

SKILLS

LANGUAGES

Python • C/C++ • JavaScript
C# • SQL

CLOUD & ARCHITECTURE

Kubernetes • Docker • GCP
Apache Kafka • Microservices
Distributed Systems

WEB & DATABASES

React.js • API Development
SQL & NoSQL Databases
Keycloak (IAM) • Grafana

SECURITY & SYSTEMS

Linux • Network Security
Cryptography • Blockchain
Technology (Hyperledger Fabric)

AI & MACHINE LEARNING

PyTorch • Deep Neural Networks
Reinforcement Learning

COURSEWORK

Algorithms and Data Structures
Computer Architecture
Distributed Systems
Machine Learning
Cloud Architecture
OOP Programming
Systems Security
Autonomous Agents
Graphics Design
Networks
Networks Optimization
Large & Social Networks Theory

LANGUAGES

Greek | Native
English | Fluent (C2)