



Emmanouil Koutoulakis

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OBJECTIVE

Cloud-oriented software engineer working with containerization technologies, workflow execution engines and research. I seeking to improve and facilitate the scientific workflow execution through virtualization services with extensive information throughout the execution, making the research reproducible, interoperable, and accessible for everyone. Recently, I enriched my knowledge about Image Processing and Deep Learning, importing a different field in my educational career. I am also open to new challenges about Medical Image Processing and Deep Learning in the field of Medicine.

EXPERIENCE

APR 2019 – SEP 2019

Intern / Computation Biomedicine Laboratory | ICS FORTH, Heraklion Crete

OCT 2019 – PRESENT

Assistant / Computation Biomedicine Laboratory | ICS FORTH, Heraklion Crete

NOV 2020 – SEP 2021

Teaching Assistant / Hellenic Mediterranean University

- > **Logic Programming**
- > **Artificial Intelligence**

EDUCATION

OCT 2020 - PRESENT

MSc in Computer Vision and Robotics

University of Burgundy,
Le Creusot, France

OCT 2020 - SEP 2021

MSc in Informatic Engineering – Intelligent Systems and Computer Architecture

Department of Electrical and Computer Engineering, Hellenic Mediterranean University,
Heraklion, Greece

OCT 2013 - SEP 2020

BSc in Informatics Engineering

Department of Electrical and Computer Engineering, Hellenic Mediterranean University,
Heraklion, Greece

DIGITAL SKILLS

Virtualization Technologies: Docker, Kubernetes

Linux

Programming: Python, Prolog, JavaScript, C, Shell

Computer Vision: OpenCV, SkImage

Machine Learning: Genetic Algorithms, Artificial Neural Network

Deep Learning: Keras, Tensorflow, PyTorch

LANGUAGES SKILLS

Mother tongue: Greek

Other language: English (C2)

PUBLICATIONS

Emmanouil Koutoulakis, 2020. [Implementation of a federated workflow execution engine for life sciences through virtualization services.](#)

REFERENCES

References are available upon request.