KONSTANTINOS KALAITZIDIS

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○ GitHub ☑ 🎓 Scholar ☑

in LinkedIn ☑ 👤 Website ☑

SUMMARY

Machine Learning Engineer with a BASc in Computer Science and MSc in Health Informatics. Proficient in Python for ML model development in high-performance systems. Previously, building deep learning models for image analysis pipelines.

Formerly: Kry, Karolinska, SU, TEDx, ABC Labs

EXPERIENCE

Research Assistant *Dept. of Global Public Health, Karolinska Institute* `Apr '25 - Present`

`Responsibilities` Evaluation and validation of novel statistical methods. Stockholm (Solna), Sweden

IT Team Lead – Informatics Office *Greek Army Special Forces* `Sep '23 - Jun '24`

`Mandatory Service` Supervising IT processes in the Joint Special Operations Command. Greece & Cyprus

Machine Learning Intern *Dept. of Neuroscience, Karolinska Institute* `Feb '22 - Jul '23`

`Responsibilities` Developed Python-based DL tools to analyse animal behaviour Stockholm (Solna), Sweden

Data Intern *Kry International AB* `Jun '22 - Aug '22`

`Responsibilities` Created ReactJS-based frontend interfaces for doctors Stockholm, Sweden

IT Intern *Consulate General of Greece in New York* `Nov '20 - May '21`

`Responsibilities` Created a digital tool to organize and archive all passport information NYC, NY, United States

Lead Organizer & Curator *TEDxUTHLarissa* `Sep '19 - Sep '20`

`Responsibilities` Led the development of the university's largest annual event Larissa, Greece

PUBLICATIONS

1. Elsevier *Computers in Biology and Medicine [IF 7.0]* `1 August 2025`

The stereotactic radiosurgery-brain prognostic index (SRS-BPI): A novel prognostic index for SRS-eligible lung cancer patients with brain metastases. ☑ A. Koulouris, M. Skribek, C. Kamali, O. Grundberg, M. Gubanski, **K. Kalaitzidis**, E. Lampa, P. Hydbring, S. Ekman, G. Tsakonas

EDUCATION

Karolinska Institute *Dept. of Learning, Informatics, Management, and Ethics* `Sep '21 - Jun '23`

Master of Medical Science & Master of Science in Health Informatics 120 ECTS Stockholm (Solna), Sweden

`Thesis` *Behavior Prediction From Calcium Imaging Using Convolutional Neural Networks*

University College Dublin (UCD) *School of Computer Science* `Sep '18 - Mar '19`

`Exchange Studies (Erasmus+ Programme)` Dublin, Ireland

University of Thessaly (UTH) *Department of Digital Systems*

Bachelor of Applied Sciences in Computer Science   240 ECTS   Larissa, Greece

COMPETENCIES

Programming Languages: Python, R, SQL, Java, JavaScript (React.js)
Libraries & Packages: TensorFlow, PyTorch, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, OpenCV, SciPy
VCS and IDEs: Git, GitHub, VS Code, Jupyter Lab, Google Colab, Spyder, RStudio

CERTIFICATIONS & COURSES

Applied Artificial Intelligence (AI) in Healthcare   Jan '25 - Jun '25
Karolinska Institutet   Course

Machine Learning   Dec '24 - Apr '25
Stanford University & DeepLearning.AI   Coursera Specialisation

Single-cell and spatial transcriptomics data analysis   Dec '22 - Feb '23
KTH Royal Institute of Technology   Course