KONSTANTINOS KALAITZIDIS

INDUSTRIAL PHD STUDENT

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EXPERIENCE

Industrial PhD Candidate *Merck Group & Stockholm University (SciLifeLab)* — **Nov '25 - Present**

Responsibilities: Using deep learning to find new uses for existing drugs. — Stockholm, Sweden

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

Responsibilities: Evaluation and validation of novel statistical methods. — Stockholm, Sweden

Private *Hellenic Armed Forces* — **Sep '23 - Jun '24**

Mandatory Service — 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, Sweden

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

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

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

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

COMPETENCIES

Programming Languages: Python, R, JavaScript, Bash
Libraries & Packages: TensorFlow, NumPy, Pandas, Scikit-learn, SciPy, Seaborn
VCS and Tools: Git, VS Code, JupyterLab, Linux

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* — **Sep '16- Jun '21**

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

PUBLICATIONS

1. **Elsevier** *Computers in Biology and Medicine* — **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