

Konstantinos Kalaitzidis

📍 Stockholm, Sweden

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in LinkedIn

Professional Summary

Graduate of the Karolinska Institute in Health Informatics. Motivated, and team-oriented with experience in Sweden, Ireland, the US, and Greece. Interested in AI for health.

Education

Karolinska Institutet *Joint Programme with Stockholm University*

08/2021 - 06/2023

MSc & MSc in Health Informatics120 ECTS

Stockholm (Solna), Sweden

For syllabus, visit the programme website | To access Thesis, visit this link

Thesis“Direct Behavior Prediction From Miniscope Calcium Imaging Using Convolutional Neural Networks”

30 ECTS | Grade: 36/40 | Supervisor: Professor Konstantinos Meletis

ActivitiesPfizer Skillbridge Case Competition Final, Elected Class Representative, TEDxKI Consultant

Key CoursesSingle-cell and spatial transcriptomic data analysis, Genome Medicine, Data Science for Health Informatics

University College Dublin (UCD) *School of Computer Science*

08/2018 - 03/2019

Exchange Studies (Erasmus) in Data Science30 ECTS

Dublin, Ireland

Key Courses:Databases and Information Systems I, Data Mining, Designing and Developing Mobile Apps with Android

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

09/2016- 07/2021

BASc in Computer Science and Engineering240 ECTS

Larissa, Greece

Track: Software Engineering | For syllabus, visit the programme website | To access Thesis, visit this link

Thesis“Perspectives & Use Cases of Quantum Computing” 30 ECTS | Grade: 10/10 | Supervisor: Dr. Ilias Savvas.

Key CoursesArtificial Intelligence, Pattern Recognition, Machine Learning, Distributed and parallel programming, Data warehousing and Data Mining

Work Experience

Raider & IT Administrator *Greek Army Special Forces*

09/2023 - 06/2024

Mandatory Service100%

Greece & Cyprus

Responsibilities

- Completed rigorous military training, earning the “Green Beret” distinction in a program with a 70% drop-out rate.
- Led IT administration tasks, including infrastructure optimization and automation of manual processes. Use of military intercoms and telemetry systems for monitoring military exercises and developments.
- Participated in national and joint allied exercises (NATO).
- Soft skills: discipline, resilience, initiative, adaptability, collaboration, attention to detail, clear communication

Tech StackWindows Server (ADDS, ADUC, RDS, GPMC, DNS Manager), FileZilla, Traceroute

ML Research Intern *Dept. of Neuroscience, Karolinska Institutet*

02/2022 - 07/2023

Research & Master Thesis student 75%

Stockholm (Solna), Sweden

Responsibilities

- Developed the Behaviour Prediction Neural Network (BPNN), a deep learning toolkit, to interpret animal behaviour during cognitive experiments
- Implemented and evaluated neural data analysis pipelines enhancing laboratory efficiency in post-experiment analysis.
- Awarded the 2022 Karolinska Institutet Foundation Scholarship for research contributions while a master's student.

Tech Stack TensorFlow/Keras, Scikit-learn, Pandas, Python, R, Git

Data Intern *Kry International AB*

06/2022 - 08/2022

Kry Summer Internship Programme 100%

Stockholm, Sweden

Responsibilities

- Admission rate < 5%
- Developed a user-friendly frontend for patient questionnaires, streamlining patient data collection for doctors.
- Collaborated within a cross-functional, agile team, contributing to project sprints and milestone tracking.

Tech Stack React, Java, AWS, Docker, Node.js, Git, Jira

Adviser *Consulate General of Greece in New York*

11/2020 - 05/2021

Internship Programme 100%

New York City, United States

Responsibilities

- Automated operational processes by implementing a digital tool that recognizes, organizes, and archives thousands of outgoing and incoming passport information leading to an overall productivity and performance increase of the Passports Department by 50%.

Curator *TEDxUTHLarissa*

09/2019 - 09/2020

Lead Organizer & Licensee 100%

Larissa, Greece

Responsibilities

- Led the organization and execution of the university's largest annual event, involving over 100 volunteers, 12 high-profile speakers, 100+ attendees, and support from 50+ sponsors and collaborators.
- Coordinated Directors responsible for handling different aspects of the event, such as finance, legal, marketing, experience, production and speaker relations. Oversaw all aspects of event planning and execution, including setting timelines and ensuring deadlines are met. Constant conflict-solving.
- Ensured strict compliance with TED and university guidelines, meticulously preparing and submitting required reports and documentation to both organizations, maintaining transparency and high standards throughout the event process.

Competencies

Languages: Python (TensorFlow/Keras, Scikit-learn), JavaScript (React), R, C/C++

Data Science & Analysis: Statistical analysis (Pandas, NumPy, R), Data visualization (Matplotlib, Seaborn)

Tools & Frameworks: Linux, VS Code, Git, JupyterLab

Software Development: Agile methodology (Scrum), Jira

Behavioural Competencies Leadership, Initiative, Adaptability, Ownership, Teamwork, Problem-solving

Honors & Awards

- Nova Member - an invitation-only network of the top 3% of professionals Autumn 2022
- Karolinska Institutet Foundation Scholarship Autumn 2022
- City of New York - Mayoral Service Recognition Program Spring 2021
- Erasmus for Young Entrepreneurs grant to work in Las Palmas de Gran Canaria Autumn 2019
- Third at the Greek National Racewalking Championship, 20KM Young Men Spring 2017 & 2018

Hobbies & Volunteering

- Emergency Responder volunteer at the Hellenic Rescue Team of Attica.
- Long-distance running, skiing, hiking

Referees

- Panagiotis Papapetrou (panagiotis@dsv.su.se)
Department of Computer and Systems Sciences, Stockholm University
- Konstantinos Meletis (dinos.meletis@ki.se)
Department of Neuroscience, Karolinska Institute
- Nadia Davoody (nadia.davoody@ki.se)
Department of Learning, Informatics, Management and Ethics, Karolinska Institute
- Ilias Savvas (isavvas@uth.gr)
Department of Digital Systems, University of Thessaly