

Konstantinos Kalaitzidis

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Professional Summary

Graduate of the Karolinska Institute and Stockholm University in Health Informatics. Software engineer by education and training. Motivated, and team-oriented with experience in Sweden, Ireland, the US, and Greece.

Last updated: Dec 17 2024

Education

Karolinska Institutet *Joint Programme with Stockholm University*

08/2021 - 06/2023

MSc & MSc in Health Informatics 120 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

Activities Pfizer Skillbridge Case Competition Final, Elected Class Representative, TEDxKI Consultant

Key Courses Single-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 Science 30 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 Engineering 240 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 Courses Artificial Intelligence, Pattern Recognition, Machine Learning, Distributed and parallel programming, Data warehousing and Data Mining

Work Experience

Combat Ranger & IT Administrator *Greek Army Special Forces*

09/2023 - 06/2024

Mandatory Service 100%

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).

Tech Stack Windows 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

Data & Content Specialist *L'Oréal*

05/2021 - 08/2021

Contactora via Bewise 100%

Athens, Greece

Responsibilities

- Managing and updating the company's suppliers database
- Adapting the purchasing and ordering platform according to company international standards.

IT Intern *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.

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