Loucas Papalazarou

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EDUCATION

The University of Edinburgh	Sept 2023 – Aug 2024

MSc Data Science — *Edinburgh, Scotland*

- Dissertation: Data-driven virtual sensing for contact-rich manipulation. Collaboration with Amazon Robotics
- Courses: Machine Learning Practical, Reinforcement Learning, Advanced Databases, Data-driven Business and Behaviour Analytics, Text Technologies for Data Science, Natural Computing

University of Cyprus	Sept 2019 – June 2023

BSc Computer Science — *Nicosia, Cyprus*

- Dissertation: Implementation and Experimental Evaluation of a Byzantine-Tolerant Distributed Ledger System
- Courses: Object Oriented Programming, Databases, Algorithms and Data Structures, Operating Systems, Software Engineering, Machine Learning, Artificial Intelligence, Data Center Engineering, Parallel Processing

EXPERIENCE

Calnex Solutions	May 2024 – Present

Software Engineer — *Linlithgow, Scotland*

- Currently onboarding

Analgea	Nov 2021 – Present

Co-Founder/Software Engineer — *Nicosia, Cyprus*

- Co-Founded Analgea, a medical technology startup aimed at transforming pain management through customized treatment plans integrating medical research, technology, and patient-centric service
- Currently conducting clinical trials on our revolutionary way to detect a patient's subjective levels of pain.

Algolysis Ltd	June 2023 – July 2023

Software Engineer — *Nicosia, Cyprus*

- Developed a mobile application leveraging existing ML models for real-time object recognition using Flutter and MLFlow.
- Designed and prototyped a real-time collaborative image labeling tool. Integrated Meta's Segment-Anything Model with a Flask API.

CognitiveUX	Aug 2022 – Dec 2022

Software Engineer — *Nicosia, Cyprus*

- Designed and developed a biometric wallet mobile application as an extension of the TrustID project, using React Native and extended its Django based backend infrastructure.

PwC Cyprus	July 2022 – Aug 2022

Intern — *Nicosia, Cyprus*

- Participated in client meetings and gained insights on the inner workings of industry grade software design.
- Utilized data and automation scripts to create visualizations that optimized internal processes.

Alpan Electroline	Feb 2021 – April 2021

Freelance Software Developer — *Nicosia, Cyprus*

- Co-Designed and developed software for data extraction from commercial websites. Pitched and sold to Alpan Electroline Ltd, boosting their data extraction efficiency by 98% whilst developing teamwork and communication skills.

KOIOS Research Center	Dec 2020 – Oct 2020

Software Engineer — *Nicosia, Cyprus*

- Developed a data collection script using Python and Bs4 that periodically extracted and locally stored data from published articles, decreasing the task's completion time by 90%.

SKILLS

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL, Golang
Technologies/Frameworks: Linux, Git, GitHub, Docker, PostgreSQL, MySQL, Django, Firebase, Google Cloud

PERSONAL DEVELOPMENT

Google Cloud Courses: Google Cloud Fundamentals Core Infrastructure, LLMs, Generative AI. Encoder-Decoder Architecture, Transformer Models and BERT Model, Attention Mechanism
Judo Blackbelt: 1st Dan, 2017
Army Service: Served 14 months in the Cyprus National Guard Infantry Division