

# 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