

Konstantinos Vlamis

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PROFILE

Ambitious Imperial College London MSc student driven by a profound passion for Artificial Intelligence and Machine Learning. Experienced in both collaborative and individual work and with strong project management skills, seeking a work opportunity as an AI engineer.

EDUCATION

Imperial College London

UK | 09/2025 – 09/2026

MSc Computing (Artificial Intelligence and Machine Learning)

Key Modules: Mathematics for Machine Learning | Introduction to Machine Learning | Reinforcement Learning | Computational Neurodynamics | Deep Learning | Natural Language Processing | Machine Learning for Imaging | Robot Learning | Software Engineering for Machine Learning Systems

Newcastle University

UK | 09/2022 – 09/2025

BSc Computer Science

Degree Average: First-class Honours (85.6%)

Key Modules: Fundamentals of Computing | Computer Architecture | Foundations of Data Science | Programming Portfolio 1 and 2 | Security and Programming Paradigms | Algorithms Design and Analysis | Software Systems Design and Implementation | System and Network Security | Software Engineering Team Project | Cryptography | Predictive Analytics, Computer Vision and AI | Data Visualization and Visual Analytics

PERSONAL COMPUTING PROJECTS

2nd Year BSc Software Engineering Group Project

Newcastle University | Academic Year 2023-2024

- Led a team of four peers to develop a Recycling Tracker web application with Friends and Leaderboard functionality.
- Planned the entire duration of the project development phase and task allocation using a Gantt chart and task urgency classification.
- Developed the technical design document for the waster tracker.
- Presented the end-to-end web application using a live demonstration.

Final Year BSc Dissertation Project

Newcastle University | Academic Year 2024-2025

- Investigated the suitability of using Synthetic Data as a novel data augmentation technique for Lung Cancer classification.
- Planned the entire project timeline using a Gantt chart, dividing work into tasks with deadlines.
- Conducted a Literature review for existing deep learning practices in the medical imaging sector and synthetic data generation techniques.
- Developed a GAN model for generating synthetic CT scans and a CNN model for lung cancer classification.
- Presented the project findings by developing a poster and presentation at the university poster fair.

MSc Dissertation Project

Imperial College London | Academic Year 2025-2026

- Combined Counterfactual Image Synthesis and Online Data Curation techniques within the I-JEPA self-supervised learning framework to reduce data redundancy and encourage acquisition invariance in the learned representations.
- Planned the project timeline into deliverable tasks with associated deadlines using a dedicated Gantt chart.
- Organised project experiments by managing computing resources and monitoring training runs.
- Performed a detailed Literature review for existing self-supervised learning frameworks, Counterfactual Image Generation practices and Online Data Curation techniques used in the medical imaging sector.

- Collaborated with a research fellow of the BiomedIA lab to develop a Transformer-based HVAE architecture and train a model for the generation of scanner counterfactual chest X-rays.
- Presented the project methodology and findings by preparing a full set of detailed presentation slides.

PROFESSIONAL EXPERIENCE

CSG Neokleous Brothers Constructions LTD

Paphos, Cyprus | 06/2024-07/2024

IT Department and Reception (Summer Full-Time Internship)

- Collaborated with the IT department of the company to maintain and resolve technical issues related to the company's website and server infrastructure.
- Collaborated with the Reception and Customer support staff to provide guidance and customer information.
- Diagnosed and resolved bugs and maintenance issues in the company's website to enable seamless customer experience.

National Guard of Cyprus – Stationed Near Buffer Zone

Nicosia, Cyprus | 07/2021 – 09/2022

Infantry Soldier, 2nd and 3rd Office of Unit (mandatory army service)

- Collaborated alongside army professionals and fellow soldiers in the office for daily document and report preparation to meet the daily operational requirements.
- Systematically classified and categorised documents for correct and efficient filing and organisation.
- Planned the development and timely delivery of several army documents to the appropriate army officers and services.
- Planned and scheduled the soldier shifts on a weekly basis for efficient planning and consistency.

AWARDS AND ACHIEVEMENTS

- University Scholarship: Newcastle University Vice Chancellor's EU Scholarship.
- Peer Mentor of the Year Award: Received an honorary award for being shortlisted and nominated for the Peer Mentor of the Year Award in the 2023-2024 Academic Year. I was one of the three nominees that represented the School of Computing.
- Academic Award (2023-2024): Best overall performance by a Stage 2 student in the Newcastle University School of Computing.
- Academic Award (2024-2025): BCS prize for Outstanding Performance by a Final Stage student in the Newcastle University School of Computing.

TECHNICAL SKILLS

- Languages: Greek (native language), English.
- Programming Languages: Python, Java, C, MySQL, HTML.
- Programming Frameworks and Skills: Flask, Django, CSS, , PyTorch, Object-oriented programming, Network and Web Security, Full-stack Web Development, Algorithms and Data Structures.
- Transferable Skills: Problem Solving, Planning, Time Management, Researching, Teamworking, Leadership.

VOLUNTEERING

- Peer Mentoring: I voluntarily entered the Peer Mentoring Scheme, completed the mandatory training and became a Peer Mentor to a group of first-year students providing them with help and guidance to improve their university life and experience (Academic year of 2023-2024)
 - Member of Newcastle University Computing and Technology Society (Academic year of 2022/2023).
 - Member of Newcastle University Entrepreneurship Society (Academic Year of 2023/2024).
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