

MARIOS AVRAAM

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EDUCATION

2023 - 2024

POSTGRADUATE MSC ACS: ARTIFICIAL INTELLIGENCE, UNIVERSITY OF MANCHESTER, UK – **EXPECTED DISTINCTION**

- **Year 1:** Masters Project, Foundations of Machine Learning, Representation Learning, Text Mining, Cognitive Robotics and Computer Vision, Modelling Data on the Web, Querying Data on the Web.
- **Dissertation - *To be published as a scientific paper*:** Conducted experiments comparing supervised (DistilBERT) and zero-shot learning (mDeBERTa, RoBERTa, BART) models for app review classification, using a dataset of 40,000 app reviews, achieving a 97.62% F1-score with DistilBERT and 63.84% with mDeBERTa.

2020 - 2023

UNDERGRADUATE BSC COMPUTER SCIENCE AND MATHEMATICS, UNIVERSITY OF LEEDS, UK – **FIRST CLASS HONOURS**

- **Year 3:** Individual Project, Machine Learning, Graph Algorithms and Complexity Theory, Cryptography, Combinatorial Optimisation, Graph Theory, Combinatorics, Mathematical Methods.
- **Year 2:** Numerical Computation, Algorithms, Groups and Vector Spaces, Logic, Vector Calculus, Data Mining, Formal Languages and Finite Automata, Artificial Intelligence, Compiler Design and Construction, Linear Differential Equations and Transformations.
- **Year 1:** Procedural Programming, Number Systems, Probability and Statistics, Databases, Computer Processors, Introduction to Discrete Mathematics, Object Oriented Programming, Core Mathematics.
- **Dissertation:** Designed a conceptual system for real-time resource availability in public spaces, demonstrating its functionality through a 2D virtual environment in Unity, integrated with a web-based platform using Unity, WebGL, and hybrid sensors for low-latency updates.

2012 - 2019

HIGH SCHOOL, THE GRAMMAR SCHOOL, NICOSIA CYPRUS

- **GCE A Levels:** Computer Science (A), Pure Mathematics (A), Further Mathematics (B), Modern Greek (A)
- **GCE O Levels:** Biology (A*), Chemistry (A*), Physics (A*), Computer Science (A), Mathematics (A*), English Language (A), Accounting LCCI (Distinction)

EXPERIENCE

SUMMER 2016 - 2021

PART-TIME ACCOUNTING ASSISTANT, A.G.S. LOGISTES, NICOSIA CYPRUS

- Processed over 500 financial transactions monthly, ensuring accuracy.
- Performed routine bookkeeping tasks, ensuring accurate balancing of ledgers and financial statements.
- Implemented tax rate calculations, reducing manual errors and ensuring compliance with local tax laws.

2019 - 2020

MILITARY SERVICE, MILITARY BASE TASOU MARKOU, NICOSIA CYPRUS

- Managed transportation and logistics for the Military Commander, ensuring secure travel.
- Managed daily operations of the Brigade's canteen, including overseeing inventory and supply procurement.
- Gained experience managing financial transactions and budgeting in a fast-paced environment.

SUMMER 2017

INTERNSHIP, CYBEROPSIS WEBDATA LIMITED, NICOSIA CYPRUS

- Completed coding assignments in Python3, applying key libraries and packages to automate basic tasks and data analysis.
- Gained practical experience in frontend development using HTML, CSS, and JS by contributing to website interface improvements.

CERTIFICATIONS AND COURSES

MAY – SEPTEMBER 2023

UDEMY CERTIFICATE, 100 DAYS OF CODE: THE COMPLETE PYTHON PRO BOOTCAMP FOR 2023

Completed an intensive 100-day journey into Python programming. Covered foundational to advanced topics, culminating in the creation of diverse real-world Python projects.

JUNE – SEPTEMBER 2022

UDEMY CERTIFICATE, THE WEB DEVELOPER BOOTCAMP 2022

Explored a comprehensive range of web development topics, from frontend to backend technologies. Applied the learned skills to build and deploy a fully-functioning application called YelpCamp using Heroku and Git.

TECHNICAL SKILLS

- **Programming Languages:** Python (Pandas, NumPy, Scikit-learn), C, JavaScript (Node.js, Express.js)
- **Web Development:** HTML, CSS, JavaScript (React.js)
- **Data Management:** SQL, NoSQL, MongoDB
- **AI/ML Frameworks & Techniques:** NLP Models, LLMs, Hugging Face, Fine-Tuning, Zero-Shot Learning, PyTorch, TensorFlow
- **Tools & Technologies:** Git (Version Control), Microsoft Office Suite
- **Languages:** Proficient in English and Greek