Charalambos Georgiades

Eressou 8, Nicosia, Cyprus, 1070 ◆ +35796627860 ◆ +447780164803◆ charalgeorgiades@gmail.com
Web: https://charalambosg-9.github.io/html/home
LinkedIn: https://www.linkedin.com/in/charalambos-georgiades/

CAREER OBJECTIVE

Machine Learning graduate with expertise in data structures, algorithms, and software development, seeking roles as a Software Engineer, Full-Stack Developer, or Backend Developer. Passionate about building scalable, efficient, and innovative software solutions to solve complex problems and drive technological advancement.

EDUCATION

Master of Science: Cybersecurity and Artificial Intelligence, 09/2023 - 09/2024
The University of Sheffield - Sheffield, UK
- Grade: Distinction

Bachelor of Science: Computer Science, 09/2020 - 06/2023
The University of Sheffield - Sheffield, UK
- Grade: First-Class Honours

SKILLS

- **Programming Languages:** Python, Java, Haskell, C++, SQL, Ruby, Dart (Flutter)
- **Machine Learning & Artificial Intelligence:** TensorFlow, PyTorch, Keras, Scikit-Learn, Pandas, NumPy, Matplotlib, Seaborn, OpenCV
- **Web Technologies:** HTML5, CSS3, JavaScript
- **Database Management Systems:** SQLite, PostgreSQL, MySQL
- **Big Data & Distributed Computing:** Apache Spark
- **Software Tools:** Git, Linux, Jupyter Notebooks
- **Robotics:** Robot Operating System (ROS)
- **Graphics:** OpenGL
- **AI Specializations:** Natural Language Processing, Computer Vision, Deep Learning, Supervised Learning, Unsupervised Learning, Reinforcement Learning
- **Languages:** English, Greek

RELEVANT EXPERIENCE

Teaching Assistant, 09/2022 - 06/2024
The University of Sheffield - Sheffield, UK
- Guided 150+ students across foundational concepts in first- and second-year lab sessions, covering 6 modules.
- Earned strong student feedback for clear explanations, engaging teaching, and a supportive approach.
- Created supplementary resources (handouts, problem sets) to enhance understanding and exam preparation, widely praised by students.
- Provided one-on-one guidance to struggling students, improving performance and course retention.

Research Assistant, 07/2022 - 09/2022
KIOS Research and Innovation Center of Excellence - Nicosia, Cyprus
- Designed and implemented high-performance object detection and tracking models, achieving notable improvements in accuracy and efficiency.
- Enhanced datasets through meticulous collection and labeling, boosting model reliability.
- Developed interactive demos and expanded the KIOS website with additional pages showcasing research and academic papers, increasing accessibility and public engagement.

PROJECTS

Uncertainty Quantification in Machine Learning for Alzheimer's Diagnosis: An Alternative to Multimodal Fusion (Master's Dissertation) (Github)
- Investigated uncertainty quantification as an alternative to multimodal fusion in machine learning models, achieving over 93% accuracy with MC Dropout on the ADNI dataset.

Automating the tracking of individuals across multiple scenes/shots in video using a Deep Neural Network (Bachelor's Dissertation) (Github)
- Created an automated pipeline using face detection and identification to train object detection models for tracking specified individuals in video streams, reducing manual effort and achieving state-of-the-art results.

Topic classification using a Feed-Forward Neural Network (Natural Language Processing assignment) (Github)
- Used an FFNN made from scratch to successfully classify articles into their respective topics achieving more than 80% accuracy.

Chess learning agent using Reinforcement Learning (Adaptive Intelligence assignment) (Github)
- Implemented SARSA and Q-Learning without the use of libraries to train a chess learning agent on a smaller scale, evaluating their performance, suitability, and sensitivity to parameter tuning.

Full list of projects is available on my website.