Mattia Evangelisti

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Education

KTH Royal Institute of Technology — Stockholm, Sweden
Master of Sciences in Data Science, Minor in Business — *Aug. 2022 – Ongoing*

Politecnico di Torino — Turin, Italy
Bachelor of Science in Computer Engineering — *Sep. 2019 – Jul 2022*

Experience

Data Analyst — Nov. 2022 – Ongoing
Nasdaq — *Stockholm, Sweden*

- Performed market research and statistical analysis using Python, PostgreSQL, and SAP Business Object.
- Proficiently managed ETL processes, ensuring efficient data processing and improved data quality.
- Utilized data analysis skills to support data-driven decision-making and collaborated effectively with cross-functional teams.

Data Science Intern — March. 2022 – June 2022
Ubroker srl — *Turin, Italy*

- Successfully executed a data mining project leveraging Python, PostgreSQL, Microsoft Graph, and Microsoft Azure Active Directory.
- Applied Python programming skills to make API calls, clean and preprocess data, facilitating accurate analysis.
- Utilized Power BI for data visualization and reporting, presenting results to stakeholders.

Projects

3D Object Classification in LiDAR Point Clouds using GNN | *Python, PyTorch* — May 2023

- Data collection and preprocessing for LiDAR point cloud analysis using KITTI and ModelNet10 datasets.
- Implemented Graph Neural Network architectures, including GCN and GraphSAGE, for 3D object classification.
- Contributed to the optimization and fine-tuning of GNN models.

Semi-Supervised Representation Learning via Rotation and Color Prediction | *Python* — May 2023

- Conducted experiments on ConvNeXt models with rotation prediction, colorization, and multi-task learning.
- Explored factors like initialization weights, learning rates, data augmentation, and batch normalization.
- Utilized ConvNeXt-based models and the VGGFace2 dataset for experimentation, demonstrating proficiency in deep learning frameworks.

Privacy Risks of Conference Calls through Audio Side-Channel | *Python, PyTorch* — Dec 2023

- Developed an acoustic eavesdropping attack for keyboard keystrokes during video conference calls
- Achieved an F1 score of 92% for keystroke detection and an ROC AUC of 0.94 for keystroke similarity.
- Collected and labeled datasets, optimized detection parameters, employed feature extraction, and evaluated similarity metrics.

Technical Skills

Languages: Python, C, SQL (Postgres, Redshift), R
Machine Learning Frameworks: Pythorch, Tensorflow, scikit-learn
Developer Tools: Git, Docker, Google Cloud Platform, VS Code
Libraries: Pandas, NumPy, Matplotlib

Languages

English: C1 Level (IELTS 7.5).
Italian: Native