Tommaso Vaccari

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Education

Politecnico di Milano
Bachelor of Science in Software Engineering *Milan, Italy*

Projects

Neural Network for Generating Italian Names | *Python, PyTorch*
- Built a neural network to generate realistic Italian names, providing a practical example for educational purposes on my blog and deepening understanding of neural network architectures.

Daily Vocabulary Newsletter | *Python, Google Docs API, Google Sheets API, Google Cloud Console*
- Developed an automated system to send a daily English vocabulary newsletter, integrating Google Docs for word storage and Google Sheets for subscriber management. Leveraged Python and Google APIs for seamless automation.

PAC Investment Analysis | *Python, Flask, Yahoo Finance API*
- Created a web application to analyze PAC investment strategies, calculating growth metrics like returns and loss probabilities. Built with Flask (backend), HTML, CSS, and JavaScript (frontend), integrating historical data from Yahoo Finance.

Technical Skills

Programming Languages: C, C++, Python

Frameworks and Libraries: Flask, PyTorch, TensorFlow, Scikit-learn

Systems and Tools: Linux, Git, Google Cloud

Concepts: Compiler Design, Operating Systems, Machine Learning, Neural Networks, API Development, Agile Methodology