Federico Galli

📍 Italy, Brescia   📅 04/12/1996   📞 (+39) 3319136998
in Federico Galli   🌐 Portfolio https://fedegalli.github.io
✉ federicogalli96@gmail.com

Skills

- **Coding**: Python, Java, C♯, C, C++, JavaScript, TypeScript, HTML, PHP, SQL.
- **Tech**: React, TensorFlow, CV, LLMs, LlamaIndex, LangChain, Git, Docker, Unity3D
- **Italian**, mother tongue. **English**, professional proficiency.

Employment History

- **Intesa Sanpaolo,** *Software Engineer,* 03/24 - now.
  Part of Data-management team focused on back-end development with the creation of microservices APIs and managing database infrastructure using Java, Python, and SQL.

  - **Engine rework,** working in restructuring/refactoring the data flow and ETL currently supplied with more then 100 different data sources to uniform the data acessibility by using Google BigQuery and Denodo Platform.

- **Regesta LAB,** *Data Scientist* 09/22 - 03/24.
  Developing machine learning algorithms with TensorFlow and OpenCV. Skilled in big data cleaning and data mining. Application of LLM with RAG using LlamaIndex and LangChain:

  - **Product configuration tool,** Optimizing salesmen's time efficiency and estimating final product quotations by suggesting configured custom products based on customer needs and constraints, thereby eliminating the need for manual searches through over 500 pages of documentation for each product.

  - **Past customer ticket retrieval,** Support front desk operators in eliminating redundancy in already solved problems by suggesting answers based on relevant past tickets and company documentation, cutting down operator response time by 20%.

Education

- **TensorFlow Developer Certificate,** *TensorFlow Certificate Program,* 2023
  Topics: Foundational principles of ML and Deep Learning, Building image recognition, object detection, text recognition algorithms, time series forecast.
- **Bachelor's Degree in Computer Engineering,** *Università degli studi di Brescia,* 2022
  Thesis title: Development and testing of Reinforcement Learning algorithms for rocket flight control.

Personal Projects

- **AI rockets**, Usage of Reinforcement learning (PPO) to instruct a rocket to self take-off, stabilize and orbit a celestial body in a simulated environment implemented in Unity. *C# / Python / Unity*.
- **Personal finance tracking service**, Usage and creation of API framework with FastAPI and Google Sheet APIs, for personal finance management and tracking app. Front-end implementation with a Telegram Bot, but currently working on a react Native app. *Python, React Native, GoogleSheet*.