

Fernando Rimoli

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SKILLS

Programming Languages: Java, Python, R, JavaScript/ HTML/ CSS, Go

Operating Systems: Windows 10/11, Linux

Languages: English (fluent), Portuguese (fluent), Spanish (Advanced), Italian (Intermediate)

Tools & Frameworks: SQL, Scikit-learn, Pytorch, TensorFlow, Keras, Git, Vue.js, RESTful API, Docker

RELEVANT EXPERIENCE

Sapienza University | Teaching Assistant | Rome, Italy

Mar 2024 - Present

- Designed and graded Java-based homework assignments
- Conducted weekly tutoring sessions and office hours (4 hours/week) to support student learning
- Mentored over 100 students in Object-Oriented Programming (leadership)

Software Engineer Intern | Sapienza Flight Team | Rome, Italy

May 2023 - Present

- Real-time image processing software in Python, enabling the UAV to respond to visual data autonomously
- Collaborated with a team of four developers, applying machine learning algorithms to improve UAV image recognition accuracy

University Research Assistant | Claremont Graduate University | Claremont, CA, USA

Apr 2020 - Feb 2021

- Assisted Dr. Marcia Joppert in organizing and cleaning survey datasets, ensuring high data quality and integrity
- Detailed analysis of both qualitative and quantitative data using Python/ R, contributing to research insights

EDUCATION

Sapienza University of Rome

B.S. in Applied Computer Science and Artificial Intelligence | GPA: 29.3/ 30

Expected July 2025

Relevant Courses: Artificial Intelligence, Machine Learning, Natural Language Processing, Deep Learning, Cybersecurity, Systems and Networking, Algorithms, Data Management and Analysis, Web and Software Architecture

PROJECTS

glorIA | Pokemon Showdown AI

July 2024 - Sept 2024

- Developed a Reinforcement Learning agent using Proximal Policy Optimization (OpenAI method)
- Achieved a 95% win rate against a Random Agent and 89% against a Simple Heuristic Agent, ranking in the Top 1000 on the Italian Pokémon Showdown leaderboard

ThreadCoin | Personal Project

July 2023

- Built an offline Bitcoin mining simulator, and implemented blockchain's decentralized logic using Java
- Applied both symmetric and asymmetric encryption (AES and RSA) to enhance data security within the simulated blockchain network, leveraged functional programming principles to develop an efficient and secure mining protocol

ACTIVITIES

IBM TechXchange | Remote

Sept 2024

- Hackathon where I built a generative AI application for a use case supporting productivity using IBM's watsonx AI
- Secured 5th place among over 100 participants by demonstrating innovative AI solutions for real-world use cases

Electromagnetic Field | Ledbury, England

Apr 2024 - June 2024

- 4-day gathering of hackers, scientists, and engineers, engaging in hands-on workshops and technical talks