Monteiro Del Prete

[Email](.) [LinkedIn](.) [GitHub](.) [Website](.)

WORK EXPERIENCE

Software Engineer @ Teoresi S.p.A. — 03/2023 – present
C++, Qt, React — *Naples, Italy*
- Developed desktop application for data diagnosis with real-time system update <1s for 500 samples.
- Increased the communication security of Jitsi Meet by 5% by implementing Quantum Key Distribution.
- Developed HMIs with Qt framework for pharma robots.

Software Engineer @ Teoresi S.p.A. — 09/2020 – 11/2020
Python, AWS — *Naples, Italy*
- Designed and developed a communication network for cloud-based video processing with Haar Cascade Classifier for road signs detection and recognition.
- AWS Lambda for processing, AWS S3 for storage, AWS Iot Core for communication.

TECHNICAL SKILLS

Programming Languages C++, C, Python
Databases Postgresql, Neo4j
Frameworks Qt 6.5 LTS
Devops Technologies Docker, Git, CMake, CI/CD
Operating Systems Linux based, Ubuntu
Data Structures and Algorithms
Deep Learning and Machine Learning with interest in Computer Vision (CNN) and Reinforcement Learning
I have worked in different fields, I can adapt myself and learn quickly while achieving the expected results

EDUCATION

University of Naples "Federico II" — 12/2020 – 07/2023
Master of Science in Artificial Intelligence 110/110 cum Laude — *Naples, Italy*

University of Naples "Federico II" — 09/2017 – 12/2020
Bachelor's Degree in Computer Science 110/110 — *Naples, Italy*

PROJECTS

Real-time Hand Gesture Recognition *Python, Tensorflow* — 01/2023
- Real-time system for hand gesture recognition through heuristic classifier and basic feed-forward neural network.

Self-Driving Car with RL *C#, Unity* — 09/2022
- Self-Driving Car with Deep RL algorithms in Unity-MLAgents environment.
- Compared two Deep RL algorithms: PPO and SAC.

Inference engine for DL *Java, OWL API* — 02/2022
- Inference engine based on Tableau method for satisfiability of a concept in ALC description logic.

Android apps "Arovago" *Android Studio, JavaFX, SpringBoot 2.0* — 03/2020
- Development of a travel advisory system.
- Front-end development for mobile application and desktop application for admin tasks.

Remote System Monitor *C* — 12/2019
- Distributed system in Unix environment for monitoring more computers state connected in network.

Board Game Management *Oracle DBMS, Java Swing* — 06/2019
- Desktop application for CRUD operations about the board game "I Coloni di Catan".

CERTIFICATIONS

British Council IELTS — 01/07/2022
English Student — *Naples, Italy (IT)*

Kaplan International Languages — 06/08/2018 – 24/08/2018
English Student — *Santa Barbara, California (US)*