

Angelo Quarta

A.I. Engineer

Profile



Artificial intelligence student with 4+ years of experience in Software Engineering and Network Administration, fond of problem solving and innovation.

Contacts



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/in/angelo-quarta



NgIQ

Hard Skills

Overview

- Machine Learning
- Deep Learning
- Artificial Intelligence
- Image Processing

Programming

- SQL
- Javascript
- Python
- C/C++

Operating Systems

- Ubuntu
- Windows
- ROS
- MacOS

Libraries and Frameworks

- TensorFlow
- sklearn
- Git
- SVN
- Jupiter
- PyTorch
- OpenCV
- Pandas
- Docker
- Seaborn

Soft Skills

- Flexibility
- Adaptability
- Problem-solving
- Creativity
- Team-working
- Fast learner

Interests

- Neuroscience
- Linguistics
- Chemistry
- Biology

Working Experience

Jan 2019
Dec 2021

R&D Software Engineer

3DConnexion

C++ Python Javascript CMake Booster Qt

- Development and maintenance of the 3D viewer produced by 3DConnexion.
- Integration of 3DConnexion driver's interface in CAD Softwares.
- Testing of third party integrations .

Aug 2018
Jan 2019

Network and System Administrator

Freelance

VoIP Cisco IOS SSH Linux

- Design of network architecture.
- Configuration of active devices.
- Migration to VoIP approach.

Jan 2018
Jul 2018

Software Engineer

ZeroDD

PHP Drupal Python MySQL MongoDB

Implementation of:

- interaction with DBMS.
- similarity estimation algorithm in NLP environment.
- APIs for front-end purpose.

Jul 2017
Sep 2017

Intern (Erasmus Traineeship)

Tallinn Technical University

C# Python Kinect MySQL Keras TensorFlow Sklearn

- Implementation of the software for acquiring data.
- Data collection and Dataset creation.
- Implementation of the ML algorithms.
- Benchmarking the results.

Apr 2016
Sep 2016

Network Administrator

Apicella Sistemi

Cisco IOS SSH Linux VPN

- Design of the network architecture.
- Implementation of the network infrastructure.

Education

2022 -

MSc., Artificial Intelligence

University of Bologna, Italy

Broad-spectrum programme with an interdisciplinary approach, addressing a variety of topics in artificial intelligence, machine learning, artificial vision, natural language processing and data science.

2015 - 2018

MEng., Computer Engineering

University of Salento, Italy

Master's thesis in *Image Processing* called *Visual Monitoring System for Coastal Erosion* in collaboration with Porto Cesareo's Protected Area

2016 - 2017

Erasmus+ Programme

University of Huelva, Spain

Period abroad studying:

- Machine Learning
- Artificial Intelligence Applied to Robots
- Robotics

2010 - 2014

BEng., Information Technology Engineering

University of Salento, Italy

Bachelor's thesis developed in collaboration with the Local Health Authority about IOT in medical environment using NFC for Therapy Management.

Publications

- **A Vision-based Intelligent System for Coastal Erosion Monitoring - OCEANS 2019 Marseille, 2019**

P.Spagnolo, P.L.Mazzeo, A.Quarta, C.Distante, P.D'Ambrosio

Languages

Italian

English

French • Spanish

German • Portuguese

Places Lived



Academic Activities

2023

Teaching Assistant

University of Bologna, Italy

Software Engineering projects correction.

Academic and Side Projects

- **Vanishing points detection** University of Salento, Italy
- **Leader-follower control law for quadrotors** University of Salento, Italy
- **Security systems for medical database** University of Salento, Italy
- **Peer-to-peer overlay using D1HT protocol** University of Salento, Italy
- **Stability marriage algorithm** University of Huelva, Spain
- **Mario AI: Infinite Mario Bros competition** University of Huelva, Spain
- **Fuzzy controller for a mobile robot** University of Huelva, Spain
- **Forest Cover Type** kaggle.com
- **PUBG player's placement prediction** kaggle.com
- **PUBG player's Cheaters Detection** University of Bologna, Italy
- **Tablut Bot** University of Bologna, Italy

Licenses

Oct 2014

License to operate as Freelance Junior Engineer

Jul 2020

License to operate as Freelance Engineer

Certifications

Dec 2018

IELTS certification