



Ionuț Marian Motoi

WORK EXPERIENCE

[01/2022 – Current]

University research assistant

Sapienza University of Rome

City: Rome

Country: Italy

Working on the [CANOPIES](#) project

Table grape detection, segmentation and quality estimation

Prof. Daniele Nardi, Prof. Thomas A. Ciarfuglia

[ROCOCO Lab](#) - [DIAG Department](#)

EDUCATION AND TRAINING

[01/11/2022 – Current]

PhD in Engineering in Computer Science

Sapienza University of Rome - Department of Computer, Control, and Management Engineering

Address: Via Ariosto, 25, 00185 , Rome , Italy

Level in EQF: EQF level 8

[22/09/2019 – 16/01/2022]

Master's Degree in Artificial Intelligence and Robotics

Sapienza University of Rome - Department of Computer, Control, and Management Engineering

Address: Via Ariosto, 25, 00185, Rome, Italy

Field(s) of study: Artificial Intelligence | Robotics | Computer Science | Computer Engineering | Control Engineering

Final grade: 110 cum laude **Level in EQF:** EQF level 7

Type of credits: ECTS **Number of credits:** 120

Thesis: Intra-class generalization based on pseudo-label generation applied to the problem of table grape bunches instance segmentation

[31/08/2017 – 29/05/2018]

Erasmus Programme

Imperial College London

Address: London, United Kingdom

Field(s) of study: Electronic and Information Engineering

Level in EQF: EQF level 6

[25/09/2016 – 20/10/2019]

Bachelor's Degree in Computer Engineering - Robotics and Automation track

Università degli Studi di Roma "Tor Vergata"

Address: Rome, Italy

Field(s) of study: Computer Engineering | Control Engineering | Computer Science

Final grade: 110 cum laude **Level in EQF:** EQF level 6

Type of credits: ECTS **Number of credits:** 180

[2011 – 2016]

Diploma di Liceo Scientifico ad indirizzo Scienze Applicate

Liceo Scientifico Statale "Vito Volterra"

Address: Ciampino, Italy

PUBLICATIONS

[2023]

[Weakly and semi-supervised detection, segmentation and tracking of table grapes with limited and noisy data](#)

Authors: Thomas A. Ciarfuglia, **Ionut M. Motoi**, Leonardo Saraceni, Mulham Fawakherji, Alberto Sanfeliu, Daniele Nardi

Computers and Electronics in Agriculture

[2022] [Pseudo-Label Generation for Agricultural Robotics Applications](#)

Authors: Thomas A. Ciarfuglia, **Ionut Marian Motoi**, Leonardo Saraceni, Daniele Nardi

Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) Workshops

SKILLS

Technical Skills

Computer Vision

Machine Learning, Deep Neural Networks

- PyTorch, Tensorflow

Software Development

- Python, C++

Robotics

- MATLAB, Simulink, CoppeliaSim, ROS, Gazebo

Web Development & WebGL

- Javascript, HTML, CSS
- WebGL, GLSL, BabylonJS

Version Control

- Git, Github

Operating Systems

- Linux (Ubuntu), Windows

Docker

Android Development

- Java, Android Studio, XML

LANGUAGE SKILLS

Mother tongue(s): Italian , Romanian

Other language(s):

English

LISTENING C2 READING C2 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Spanish

LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2