

Claudio Coppola

PhD in Cognitive Robotics, Machine Learning Expert

London, UK

E-mail: claudiocoppola90@gmail.com Phone: +44 7482843438 LinkedIn [linkedin.com/in/clcoppola](https://www.linkedin.com/in/clcoppola) Github [raziel90](https://github.com/raziel90) Scholar Publications

Cognitive Robotics researcher focused on AI. Experienced in Machine Learning for Robotics and Computer Vision. Aiming to create a positive impact on the world using Artificial Intelligence.

Experience

Postdoctoral Researcher

Queen Mary University of London

May 2019 - Current

London, UK

- Coordinating the work of PhD/MSc students for the EPSRC MAN³ Project.
- Submitted articles to international top ranked conferences.
- Conducting research on learning by demonstration for robot grasping by building a teleoperation platform and using Bayesian optimization and ML.

LD11 Cohort Member

Entrepreneur First

Oct 2018 - Jan 2019

London, UK

Took the role of CTO cooperating at the ideation of the start-up, public speaking, customer and product development and market analysis.

Lead Data Scientist

Buzzoole

May 2018 - Oct 2018

Napoli, Italy

Led the data science team, worked on several Machine Learning Projects central to raise \$8.9M funding for the company to improve the product:

- Trained a CNN Model for object recognition on 20K+ social media images achieving over 80% accuracy.
- Trained an RNN Model to translate text from French and Spanish to English.
- Fake followers detection from influencer metrics analysis.

Research Associate

University of Lincoln

May 2017 - May 2018

Lincoln, UK

- Developed state-of-the-art Human Activity Recognition and Re-identification models.
- Associated with the EU H2020 research projects ENRICHME and FLOBOT.
- Published in top ranked AI and Robotics Conferences and Journals.
- Teaching Assistant for courses of Artificial Intelligence and Robotics.

Business Intelligence Consultant

KPMG

Jan 2014 - Jul 2014

Rome, Italy

- Automated BI maintenance daily tasks with a speed-up above 90%.
- Developing SQL queries to generate reports from the data warehouse.

Technical Skills

- **Machine Learning & AI** - Deep Learning, SVM, Bayesian Optimization, Ensembles, GMM, HMM, K-Means, PCA, Kalman/Particle Filters.
- **Frameworks** - ROS, Pytorch, Scikit-learn, Keras, Tensorflow, Libsvm, Kinect SDK2, OpenCV, Git.
- **Methodological** - Computer Vision, Signal Processing, Control Theory, Software Engineering, Performance Analysis, Localization, Planning, Optimization, Scientific writing.

Invited Talks

"Human Activity Recognition and Monitoring" Symposium of the British Machine Vision Association 2017 (BMVA), London, UK.

Education

PhD in Robotics

University of Lincoln

Jul 2014 - Aug 2018

Lincoln, UK

- Built Human Social Activity and interaction recognition systems based on RGB-D data.
- Associated with the EU H2020 Projects ENRICHME and STRANDS
- Published at IROS, ECAI, RO-MAN, etc.
- AI: SVM, GMM, Ensemble, Bayesian Nets, Random Forest, Deep Learning, Clustering.

MSc cum Laude in Computer Science Engineering

University Federico II of Napoli

Oct 2011 - Dec 2013

Napoli, IT

- Top 5% Student
- Focus: Computer Vision, Machine Learning, Signal Processing, Statistics, Optimisation.
- Thesis: Iris Liveness detection for authentication systems based on Iris Recognition
- AI: SVM, PCA, Dense texture descriptors.

BSc in Computer Science Engineering

University Federico II of Napoli

Oct 2011 - Dec 2013

Napoli, IT

- Top 5% Student
- Thesis: Algorithm and systems for voice recognition.
- Focus: Mathematics, Linear Algebra, Database, Software Engineering, Programming; Control.

Awards

2016	Research Travel Award	Santander
2016	Research Travel Awards	EURAI
2020	Hult regionals winner	Hult F.
2020	CORSMAL challenge winner	QMUL

Certifications

Machine Learning - Stanford University on Coursera, Prof. Andrew Ng

Deep Learning Specialization deeplearning.ai on Coursera, Prof. Andrew Ng.

BMVA Computer Vision Summer School 2015 Swansea University.

Programming Skills

Proficient: Python, Matlab.

Familiar with: C, C++, C#, Java.