Edoardo **Gruppi**

Master Engineering student at University College London

Email **edoardogruppi@gmail.com**
Birthdate **9**th **October 1998**
Phone **+39 345 2752389**
GitHub **at** , LinkedIn **at**

Education

University College London (UCL)

Integrated Machine Learning Systems MSc
Graduation in November 2021 | London, UK

- The courses focus on data acquisition and analysis, ML technologies, and the infrastructure used to transport, store, secure, and process data.
- Title of the Thesis: Deep understanding of AI based Drug Discovery.

University of Genoa

Electronic Engineering and ICT BSc
Graduated July 2020 | Genoa, Italy

- Every year, winner of a merit award for being among the top ten percent of students with the highest average grade in the course of study.
- Title of the Thesis: A deep generative adversarial approach to image translation with hyperspectral and laser remote sensing data.
- Graduated summa cum laude (110 lode/110).

Additional Education

ISSUGE Institute of Excellence

Genoa University Superior School
Graduated June 2020 | Genoa, Italy

- Interdisciplinary courses include topics from a wide range of disciplines. All exams passed with honours.

ISICT Institute of Excellence

Institute of Advanced Studies in ICT
Graduated June 2018 | Genoa, Italy

- Seminars led by leading exponents from the national panorama. All exams passed with distinction.

Awards

Leonardo Innovathon Hackathon

2nd Place | November 2019 | Rome, Italy

A prototype vehicle was created to autonomously intervene in critical infrastructural emergencies, releasing first-aid kits whenever humans are recognised.

Certificates

Duolingo English Test | at

Graduated September 2020 | Genoa, Italy

- Exam passed with an overall result of 120 out of 160.

Relevant Projects

Smart Home IoT System | at   Spring 2021

- Analysis of the information retrieved by a purposely created virtual smart home energy IoT system.

Image Enhancement | at   Spring 2021

- GAN and CNN networks are employed in order to increase image resolution at different scales.

Self Driving Blog | at   Spring 2021

- Examination of the principal AI based techniques exploited in autonomous driving vehicles.

Object Classification | at   Winter 2020

- The project addresses gender and smile detection as well as eye-colour and face-shape recognition.

Stock Forecast | at   Winter 2020

- Prediction of the Microsoft stock value leveraging historical company's stock data and sentiment analysis.

Independent Projects

MovieTrailers | at and   Fall 2021

- A Netflix-clone website app designed with ReactJS to search movies by title, genre and cast as well as view related trailers along with other additional information.

PathFinding Visualizer | at and   Fall 2021

- Online page designed with ReactJS and CSS to easily visualize the most popular pathfinding algorithms.

Sorting Visualizer | at and   Fall 2021

- Online tool developed with ReactJS and CSS to easily visualize the most widespread sorting algorithms.

Sudoku Solver | at   Summer 2021

- Aimed to generate, play as well as automatically solve Sudoku puzzles of various sizes.

Skills

Languages Italian - *Native*, English - *Advanced*

Technical Skills *Proficiency with:* Python, C, Latex, JavaScript, NodeJS. *Familiar with:* Java, Matlab, C#, ReactJS, CSS, SQL.

Soft Skills Communication, Flexibility, Resourcefulness, Critical thinking, Result oriented.

Developer Tools PyCharm, Git, Visual Studio Code, Android Studio, Wireshark, NodeRed, IBMCloud.