Edoardo **Gruppi**

Master Engineering student at University College London

Email **edoardogruppi@gmail.com**
Birthdate **9**th **October 1998**
Phone **+39 345 2752389**
Links to GitHub Linkedin Portfolio

Education

University College London (UCL)
Integrated Machine Learning Systems MSc
Graduated 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.
- Graduated with Distinction. Equivalent Grade Point Average (GPA) score: 4.0.

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). Equivalent GPA score: 4.0.

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.

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.

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.

Main 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.

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.