



Davide Capone

Nationality: Italian **Date of birth:** 23/04/1999 **Gender:** Male

Phone number: (+39) 3665343079

Email address: davidecapone2304@gmail.com

LinkedIn: www.linkedin.com/in/capone-davide/

Home: Via G.B. Morgagni 2/D, 33028 Tolmezzo (Italy)

ABOUT ME

I am a data science and scientific computing student with a strong background in the field of artificial intelligence. My passion for computer science and mathematics has driven me to pursue this path, starting from high school, where I gained my first computing skills, and continuing to refine them throughout my university years. I have developed advanced skills in data management, visualization, and analysis, and I am capable of creating customized artificial intelligence solutions. Additionally, I have experience as an IT teacher in a secondary school, where I refined my communication and public speaking skills. I am highly motivated to apply my knowledge to make a contribution to innovative AI projects.

EDUCATION AND TRAINING

Master's Degree: Data Science & Scientific Computing

University of Trieste [01/02/2023 – Current]

City: Trieste | **Country:** Italy | **Website:** www.units.it

The course is jointly offered by the University of Trieste, the University of Udine, SISSA, and ICTP, and is taught in English.

Key courses:

- Deep Learning,
- Statistical Data Science,
- Probabilistic Machine Learning,
- High Performance Computing,
- Algorithmic Design,
- Numerical Analysis,
- Software Engineering,
- Data Management for Big Data,
- Information Retrieval,
- Recommender Systems.

Bachelor's Degree: Internet of Things, Big Data & Web

University of Udine [09/10/2019 – 16/12/2022]

Address: 33100 Udine (Italy) | **Website:** www.uniud.it | **Final grade:** 100/110 | **Thesis:** Applications of Computer Vision for Object Detection and Localization in a Steel Plant.

Key courses:

- Algorithms and Data Structures,
- Machine Learning,
- Mathematical Analysis,
- Linear Algebra,
- Applied Statistics,
- Internet Of Things,
- Social Computing,
- Cloud Technologies.

High School Diploma: IT and Telecommunications

ISIS Raimondo D'Aronco [31/08/2014 – 31/05/2019]

Address: 33013 Gemona del Friuli (Italy) | Website: www.daronco.edu.it | Field(s) of study: Information and Communication Technologies

Professional skills:

- Programming in C, C++,
- Object Oriented Programming (Java),
- SQL Database Design and Management,
- Web Programming
- Mobile Application Development.
- IT Project Management.

BLSD First Aid Certification

Italian Resuscitation Council (IRC)

Website: www.ircouncil.it

Emergency medical management, CPR, and defibrillator use.

WORK EXPERIENCE

IT Teacher

ISIS Paschini-Linussio [21/10/2023 – 31/08/2024]

Country: Italy

Main activities:

- Taught the basics of computer science, programming, and IT technologies to secondary school students.
- Planned lessons, created practical exercises, and organized IT labs to develop technical skills.
- Assessed student progress through assignments, tests, and exams, providing constructive feedback and personalized support.

Internship and Thesis

Danieli Automation S.p.A [14/09/2022 – 21/11/2022]

Country: Italy

- Developed AI models for detecting and localizing wagons in a steel slab storage yard.
- Calibrated the vision system to map pixel coordinates to real-world coordinates.
- Created a dataset and used motion detection algorithms and YOLO for bounding box management.
- Implemented and tested convolutional neural networks (CNNs) for object localization and detection.
- Analyzed model performance with different hyperparameter configurations to select the most effective model.

Internship

Clyco s.r.l. [31/05/2017 – 30/06/2017]

Country: Italy

- Developed web applications (backend with PHP, frontend with Angular, CSS, HTML).
- Automated business processes with custom scripts using Google Scripts.
- Collaborated using agile methodologies to manage projects and work with various departments.

DIGITAL SKILLS

Linguaggi di programmazione

Python / R / C / Pytorch / SQL

Librerie e framework

Numpy / Pandas / Java / Tensorflow / Scikit-Learn / Matplotlib

Sistemi operativi

MacOS / Linux / Windows

Strumenti

Git / GitHub / LaTeX

LANGUAGE SKILLS

Mother tongue(s): Italiano

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DRIVING LICENCE

Driving Licence: B

HOBBIES AND INTERESTS

Personal Interests In my free time, I pursue my passion for music by playing the guitar. I am also deeply interested in physics and cosmology, which fascinate me for their ability to explain the mysteries of the universe. I keep up to date with the latest technological innovations, particularly in the fields of artificial intelligence and data science.

I hereby authorize the processing of my personal data contained in my CV in accordance with Article 13 of Legislative Decree 196/2003 and Article 13 of EU Regulation 2016/679 (GDPR) for the purposes of job application.

Udine, 15/10/2024



Davide Capone