Amedeo Ranaldi

WORK EXPERIENCE

PROGE-SOFTWARE S.R.L. – ROME, ITALY
SYSTEM INTEGRATION AND CYBERSECURITY APPRENTICE – 1 MAR 2021 – 1 SEP 2021

UNIVERSITY OF SAPIENZA – ROME, ITALY
RESEARCH GRANT: ARTIFICIAL INTELLIGENCE MODELS, WI-FI SENSING TECHNOLOGIES, AND COMPUTER VISION TECHNIQUES – 1 JUN 2024 – 1 NOV 2024

EDUCATION AND TRAINING

1 SEP 2012 – 1 JUL 2017 La Spezia, Italy
HIGH SCHOOL DIPLOMA Classical High school Lorenzo Costa

Address Piazza Verdi 15, 19124, La Spezia, Italy | **Website** https://www.liceocosta.edu.it/

1 OCT 2017 – 1 MAR 2021 Roma, Italy
UNIVERSITY DEGREE COURSE IN COMPUTER ENGINEERING University of Roma Tre

Main subject:

- Mathematical Analysis
- Foundations of Informatics
- Geometry and Combinatorics
- Physics
- Chemistry
- Fundamentals of Automatic
- Electronic Calculators
- Object-Oriented Programming
- Operative Research
- Data Base
- Operating Systems
- Algorithms and Data Structures
- Analysis of Event Systems
- Electrical Engineering and Electronics
- Fundamentals of Telecommunications and signal processing

Address Via Vito Volterra, 62, 00146, Roma, Italy | **Website** https://www.uniroma3.it/ | **Field of study** Computer Engineering

2 AUG 2019 – 15 DEC 2019 Bergen, Norway
ERASMUS PROJECT University of Bergen

Main exams (ENG):
Software Security
Software Specification

Website https://www.uib.no/en

1 SEP 2021 – 17 JAN 2024 Roma, Italy
UNIVERSITY MASTER'S DEGREE COURSE IN DATA SCIENCE (ENG) University of Sapienza

Exams:

- Computer Vision: 30L
- Advanced Machine Learning and Deep Learning: 30
- Neural Networks for Data Science Applications: 30

- Big Data Computing: 27
- Statistical Learning: 30L
- Statistical Methods in Data Science: 30
- Networking For Big Data: 28
- Data Management for Data Science: 30
- Algorithmic Methods of Data Mining: 30
- Fundamentals of Data Science: 27
- Geomatics And Geoinformation: 30
- Data-Driven Modeling of Complex Systems 27
- Economics of Network Industries: 29

Address Piazzale Aldo Moro, 5, 00185 , Roma, Italy **Website** https://www.uniroma1.it/it/pagina-strutturale/home

Field of study Data Science **Final grade** 110 Cum Laude

Thesis UAV Geo-Localization: Introducing a Lightweight Approach with Compact Descriptors

1 NOV 2024 – CURRENT Rome, Italy
PHD IN COMPUTER SCIENCE AND AI University of Sapienza

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B2	B2	B2

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

SKILLS

Programming Languages

Java   LaTeX, Markdown   C   Python   SQL   R   HTML, CSS

Packages and APIs

SciPy   Pytorch   Numpy   Spring Boot   Keras   Seaborn   Matplotlib   Tensorflow   OpenCV   Scikit-Learn
Pandas

OS and App

Linux   Windows   Git   Eclipse   Spark

Other

Active Directory   Azure

PUBLICATIONS

2025
Digital Shielding for Cross-Domain Wi-Fi Signal Adaptation using Relativistic Average Generative Adversarial Network

Authors: Avola D, Bruni F, Luca Foresti G, Pannone D, Ranaldi A. | **Journal Name**: Integrated Computer-Aided Engineering |
Publisher: Sage Journals