Personal Information

Daniele Mari
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Github: https://github.com/Dan8991
Gender: Male, *Birth Date*: 10/02/1998, *Mother Tongue*: Italian

DEGREE

Bachelor Degree in Information Engineering at Università degli studi di Padova with a final evaluation of 110/110 cum laude. Currently completing the Master degree in ICT for Internet and Multimedia at Università degli studi di Padova with a grade average of 30 over 30

PROFESSIONAL EXPERIENCE

Stage at Athonet srl from 11/07/2016 to 10/09/2016, as a programmer (C, Python) and from 3/07/2017 to 09/09/2017 as a frontend and backend web developer (Javascript, Typescript, React, Python, flask, SQL).

SCHOOL AND EDUCATION

2019-2021   Master Degree in ICT for Internet and Multimedia at Università degli studi di Padova, graduation expected in July or September 2021. The topic of the final thesis is Point Cloud compression with Auto-encoders
Exams:
- Network Systems (12 CFU) 30L
- Machine Learning (6 CFU) 30L
- Game Theory (6 CFU) 30
- Quantum Information and Computing (6 CFU) 30L
- High Level Programming (6 CFU) 30L
- Computer Vision (6 CFU) 30L
- Databases (6 CFU) 30L
- Big Data Computing (6 CFU) 30L
- Digital Forensics (6 CFU) 30L
- Human Data Analytics (6 CFU) 30L
- 3D Augmented Reality (6 CFU) 30L
- Information Security (6 CFU) 30L
- Neural Networks and Deep Learning (6 CFU) 30L
- Project Management (3 CFU) Passed
- English Language B2 (Productive Skills) (3 CFU) Passed

2016-2019   Bachelor Degree in Information Engineering at Università degli studi di Padova, final evaluation: 110/110 cum laude. The topic of the thesis was information leakage from encrypted traffic generated by IP cameras. This work led to the publication of [1]

2011-2016   High school: Liceo Tito Lucrezio Caro, Cittadella, Scientifico delle Scienze Applicate, final evaluation: 89/100.

PERSONAL SKILLS

Foreign Languages

Language	Listening	Reading	Spoken Interaction	Spoken Production	Writing
English	B2	B2	B2	B2	B2
Certified by exams taken at the University					
French	A2	A2	A2	A2	A2
School level, not certified					

Communication skills

Fluency in spoken language thanks to the interaction with English mother tongue relatives, cultural exchanges organized by the school (Bordeaux, France, 2011 – Dresden, Germany, 2014). Attendance to the ICT master degree fully held in English (2019-2021).

Computer Skils

- Very good knowledge of C/C++, Python, Java, Javascript/Typescript, good knowledge of HTML, CSS, SQL, Latex acquired at school, during the stages and through self-learning.
- Very good knowledge of scientific and machine learning python libraries like *numpy*, *scipy*, *pandas*, *sklearn*, *tensorflow*, *pytorch*, etc...
- Very good git knowledge acquired during the stage and when implementing code for university/personal projects.
- Good knowledge of Blender, Unity (3D modelling and game engine) and basic Photoshop knowledge

OTHER INFO

Awards

- Three times awarded scholarship 'Mille e una lode' by Università di Padova 2017/2018 – 2018/2019 – 2020/2021.
- Awarded SEMP Scholarship 2020/2021 with destination: EPFL Lausanne (Switzerland). Refused due to the Coronavirus situation

Conference Publications	[1] D. Mari, S. G. Piazzetta, S. Bordin, L. Pajola, S. Verde, S. Milani, M. Conti."Looking through walls: Inferring scenes from video-surveillance encrypted traffic", *to appear at 2021 IEEE International Conference on Acoustics, Speech and Singal Processing (ICASSP)*(Accepted), 2021
Participation to Seminars	• 14-20 October 2014 – Conference "What made us human" – Erice, Fondazione Ettore Majorana – Main topic: Human evolution – Language: English –Speakers: Major world exponents on the subject (Ian Tattersal, Giorgio Manzi, etc . . .). • 14-17 December 2014 – Conference "EEE :Extreme Energy Events" – Erice, Fondazione Ettore Majorana – Main topic: Cosmic rays and their detection techniques – Language: Italian – Speakers: Italian physicists introduced by prof. Antonino Zichichi
Courses	• 2018: Deep Learning Specialization (Coursera) held by Andrew Ng. • 23-29 August 2015 – Summer Math Camp – Olimpic Math stage (Number Theory, Combinatorics, Geometry, Algebra) Organized by Mathesis Vicentina – 4th level course - Paderno del Grappa (TV). Teachers: Students and PhD from Università Bocconi di Milano and Scuola Normale di Pisa • 2014 Participation to the European project "Comenius" – Main topic "Teaching Biology in English – DNA Replication, Protein Synthesis and Preimplantation Genetic Diagnosis". The project lasted for 20 days 10 of which were carried out in Italy and the remaining at Christliche Schule, Dresden – Language: English
Math/CS competitions	• Four times national finalist at "Giochi Matematici Bocconi", two times qualified in the first 50 • Semi-finalist in the "Olimpadi di matematica a squadre", Cesenatico 2015 • Two times qualified to the semifinals for the "Olimpiadi di Informatica". • Google Hash Code optimization challenge in 2019, 2020, 2021 (1377 position in the world).
Driving License	A1 e B
Other	• 2015 Basic Life Support – Supporto base delle funzioni vitali secondo le line guida IRC – Ilcoor 2010 • AVIS blood donor