Daniele Menchetti

Nationality: Italian   **Date of birth:** 21/03/1998   **Gender:** Male

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ABOUT ME

Daniele Menchetti, Computer Engineer, born in '98.
AI, Computer Vision, .NET and Android lover.

WORK EXPERIENCE

Software Engineer
Ars Automation [09/01/2023 – 04/08/2023]

City: Arezzo
Country: Italy
Website: https://www.arsautomation.com/

Research and development of software focused on robotics and computer vision:
- Analysis and implementation of software for Yaskawa robots.
- Development of software with tracking system for ABB robots.
- Use of COGNEX algorithms and tools for object recognition.

Development of mobile application for communication with ARS FlexiBowl.

Participation in the Automatica fair in Munich 2023 where I contributed to the presentation of the robot demo ABB with tracking system and the launch of the new FlexiBowl product by ARS. Here, I had the opportunity to meet representatives of other companies and visitors and talk about possible implementations of ARS systems. Furthermore, I explored the current state of the art of automation and robotics.

Intern
Computer Vision LAB, DISI, University of Bologna [30/03/2022 – 05/12/2022]

City: Bologna
Country: Italy
Website: http://www.vision.deis.unibo.it/

Thesis internship.

Intern
Applyx S.r.l. [09/01/2017 – 14/01/2017]

City: Arezzo
Country: Italy

What I did:
- Develop software for windows using C#.
- Create an e-mail client using API.

Intern
Max Media S.r.l. [20/06/2016 – 15/07/2016]

City: Arezzo
Country: Italy

What I did:
- Create a website with CSS and RWD (Responsive Web Design).
- Interaction with database.
- Adobe Photoshop to adapt images on the site.

EDUCATION AND TRAINING

Master's degree in Computer Engineering
Alma Mater Studiorum - Università di Bologna [16/09/2020 – 06/12/2022]

Address: Street Zamboni, 33, 40126 Bologna (Italy)
Website: www.unibo.it
Final grade: 110/110 cum laude
Thesis: Domain adaptation for point cloud classification based on pseudo-labels
Link: https://amslaurea.unibo.it/27341/

Bachelor's degree in Computer Engineering
Alma Mater Studiorum - Università di Bologna [19/09/2017 – 09/10/2020]

Address: Street Zamboni, 33, 40126 Bologna (Italy)
Website: www.unibo.it
Final grade: 107/110
Thesis: Development of a software for object tracking based on deep learning

High School Diploma in IT
Istituto Tecnico Industriale Statale Galileo Galieli [12/09/2012 – 10/06/2017]

Address: Street Menci,1, 52100 Arezzo
Website: www.itis.arezzo.it
Final grade: 100/100

Secondary School Diploma
Istituto Comprensivo A. Cesalpino [14/09/2009 – 09/06/2012]

Address: Street Porta Buia, 52100 Arezzo (Italy)
Website: www.iccesalpino.gov.it
Final grade: 8/10

JOB-RELATED SKILLS

IT skills

- Computer skills with Windows OS and Linux OS (Debian, Ubuntu, Raspbian).

- Great ability in developing software application.

- Good ability in developing mobile application.

- Great ability in developing websites with database interaction.

- Great ability in the engineering analysis of software systems (from requirements analysis to final design).

- Great knowledge of symbolic and subsymbolic (neural networks) AI.

- Known languages: Python, Java, Javascript, TypeScript, Shell scripting, Prolog, C, C++, C#, PHP, MySQL, HTML, CSS.

- Known frameworks: React-Native, NodeJS, TensorFlow, PyTorch, OpenCV, .NET.

LANGUAGE SKILLS

Mother tongue(s): **Italian**

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

OTHER SKILLS

Solving problems on LeetCode

- I solved 16 problems on [LeetCode](#) including 4 easy, 8 medium and 4 hard.

Other skills

- Base knowledge about first aid, acquired during my school career with BLSD certificate.

- Good swimmer with achievement of swimming skills certificate for lifesaving.

- Attainment of ECDL (European Computer Driving License) certificate during middle school years.

CERTIFICATIONS

TensorFlow Developer Certificate
[13/11/2021]
Link: https://www.credential.net/d22e8109-8a50-4dd0-96ea-e18b0da608f6

IELTS Academic
[15/01/2022]

Overall score: 6.0

React Native - The Practical Guide
[26/08/2018]
Link: https://www.udemy.com/certificate/UC-SDZUR3KG/

TensorFlow Developer Certificate in 2022: Zero to Mastery
[31/10/2021]
Link: https://www.udemy.com/certificate/UC-9ad3d46f-f2b2-4d85-9fdd-102054afa535/

Deep Learning e Reti Neurali con Python: il Corso Pratico
[03/05/2020]
Link: https://www.udemy.com/certificate/UC-47da69cd-70d3-4c0f-845a-07dac5e5f35e/

HOBBIES AND INTERESTS

Activities that interest me:

- Calisthenics: I have been practicing this activity for many years. I find that, in addition to maintaining good health, this activity (if done periodically) strengthens the mind in terms of concentration and perseverance.

- Chess: this game has taught me to consider different alternatives and different points of view by evaluating even the most absurd.

- Analog Music: Vinyl and turntables have taught me to appreciate every step of the way. In fact, in order to enjoy listening to an analogue musical track, many precautions are necessary, which make it more appreciable. Today, however, the frenetic search for the result reduces the pleasure of the journey.

- Reading: a book helps you immerse yourself in adventures of any kind and place while remaining still. Like a journey, it increases the experiential baggage. In addition, it increases a person's communication skills.

VOLUNTEERING

AVIS donor

[05/2022]

DRIVING LICENCE

Driving Licence: AM

Driving Licence: B