PERSONAL INFORMATION

Manuele Silvestrini

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Sex Male | Date of birth 28 March 2000 | Nationality Italian

WORK EXPERIENCE

July 2021 - August 2021

Participation and organization of the "Healthy Word" PON Project

I.C. Solari

Via Donato Bramante 119, 60025 Loreto (AN), Italy

Participation as **additional figure** in the "Healthy Life ONE", "Healthy day" and "Healthy App" modules (https://icsolariloreto.edu.it/pon/) of the "Healthy Word" Pon Project by the Ministry of Education.

Organization of 18 days of lessons, lab, and group activities for kids from 6 to 13 years old.

- During "Healthy Life ONE", primary school children have known and experienced robotics by programming M5StickC (https://m5stack.com/) through M5Flow IDE (https://flow.m5stack.com/).

- During "Healthy App", middle school children learned how to use MIT App Inventor (https://appinventor.mit.edu/) and design primitive smartphone apps.

- During "Healthy Day", middle school children learned how to use TinkerCAD web app (Tinkercad | Crea progetti digitali 3D con il CAD online | Tinkercad) and design basic object to be 3D printed.

Each of these activities was tied to the importance of eating well and maintaining a healthy lifestyle.

July 2021 – Present

Co-founder and General Manager of "ANcybernetics s.r.l."

ANcybernetics S.r.l.

Via Brecce Bianche 12, 60131 Ancona (AN), Italy

ANcybernetics (www.ancybernetics.it) is an Academic spin-off of the Università Politecnica delle Marche (UNIVPM – www.univpm.it) which develops submarine robotics for educational, research, and edutainment purposes.

Before and during the foundation period I worked on the company's concept, developing specific analysis documents (Porter's Fivde Forces analysis, SWOT analysis).

As General Manager, I take care of contacts with customer, bureaucracy and representative activities.

In my working day I'm also involved in mechanical/hardware/software design of prototypes, production line management and R&D activities.

September 2012 - Present

Children's entertainer in "Oasi di Paradiso" non-profit organization

Chiesa di S. Michele Arcangelo

Via Monte Dago 89, 60127 Ancona (AN), Italy

▪ Managing and coordinating school camp activities for children up to 14 years old
▪ Helping other members of the organisation in logistical activities

February 2019 – March 2019   ## Placement abroad as Electronic technician in Berlin

Kubannek GmbH

Gartenfelder Str. 31, Berlin, Germany

▪ Producing and maintaining automated industrial systems for external companies
▪ Helping colleagues in their activities
▪ Performing cable management in industrial machinery
▪ Improving English and German languages

September 2018 - October 2018   ## Placement as University Researcher ("Alternanza Scuola - Lavoro" Programme)

Modelling Laboratory, Engineering of Information department, Faculty of Engineering, Università Politecnica delle Marche

Via Brecce Bianche 12, 60131 Ancona (AN), Italy

▪ Designing and programming the motion and positioning system of a submarine robot for educational purposes
▪ Studying physics and fluid dynamics to develop an efficient motion system

June 2018 - July 2018   ## Project Manager in "ClasseVirtuale" education project

Loccioni

Via Fiume 16, 60030 Angeli di Rosora (AN), Italy

▪ Representing the project of a quality control system for standardised products
▪ Coordinating economic, technical and HR activities by monitoring the deadlines
▪ Building customer relations

February 2018 - March 2018   ## Placement as University Researcher ("Alternanza Scuola - Lavoro" Programme)

Modelling Laboratory, Engineering of Information department, Faculty of Engineering, Università Politecnica delle Marche

Via Brecce Bianche 12, 60131 Ancona (AN), Italy

▪ Studying and using communication protocols (Bluetooth 4.0, I2C) to control interconnected devices for educational purposes
▪ Working with different development environments (LabVIEW, Arduino)

May 2017 - June 2017   ## Placement as University Researcher ("Alternanza Scuola - Lavoro" Programme)

Modelling Laboratory, Engineering of Information department, Faculty of Engineering,

Università Politecnica delle Marche

Via Brecce Bianche 12, 60131 Ancona (AN), Italy

- Programming an interface to control the motion of submarine robots for educational purposes
- Soldering cables and connectors
- Perform cable management activities

<table>
<tr><td>September 2019 – Present</td><td>

Student at Università Politecnica delle Marche: Bachelor's degree in Electrical Enginineering

Faculty of Engineering, Università Politecnica delle Marche

Via Brecce Bianche 12, 60131 Ancona (AN), Italy

- Currently attending the third year of the study course
- 111/180 university credits achieved
- 27,56/30 average mark
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<tr><td>June 2020 - present</td><td>

Participation in the "RoboPisces" European project as Università Politecnica delle Marche student

Faculty of Engineering, Università Politecnica delle Marche

Via Brecce Bianche 12, 60131 Ancona (AN), Italy

Main activities:
- Preparation of the Robofish toolkits
- Packaging and preparation to the toolkits shipping
- Preparation of key lessons, instructions and tutorials attached to the toolkit
- Technical assistance to teachers involved in the project
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<tr><td>November 2019</td><td>

Organizational support to "FabLearn" international conference as Università Politecnica delle Marche student

Faculty of Engineering, Università Politecnica delle Marche

 Via Brecce Bianche 12, 60131 Ancona (AN), Italy

Logistic support

Explanation of the main activities carried out by part of the Engineering of Information department

Using technical language to inform people

- Logistic support
- Explanation of the main activities carried out by part of the Engineering of Information department
- Using technical language to inform people
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EDUCATION AND TRAINING

October 2019	**School Delegate at "Maker Faire" electronics exhibition**

I.I.S. Volterra Elia

Via Esino 36, 60020 Torrette (AN), Italy

- Nice communication skills

- Management and maintenance of electronic devices

- Using technical language to inform people

September 2014 - June 2019	**Student at IIS Volterra Elia Technical High School: "Electronics and Electrotechnics" study course (five years).Diploma with final vote 95/100**

I.I.S. Volterra Elia

Via Esino 36, 60020 Torrette (AN), Italy

Main subjects I studied:

- Electronic and electric engineering

- Electronic Systems and Automation

- Technology and Design of Electronic and Electrical Systems

- Mathematics

- Italian language

- English language (Level B2)

May 2019	**Conference speech about the "Alternanza Scuola – Lavoro" programme**

UIL Scuola Rua

Via XXV Aprile 37A, 60125 Ancona (AN), Italy

- Discussing in public about political and instruction problems

- Having conversations with relevant people from the local territory

November 2018	**School Delegate at "FUTURA ANCONA" electronics exhibition organized by "IIS Volterra Elia"**

I.I.S. Volterra Elia

Via Esino 36, 60020 Torrette (AN), Italy

- Public speech skills

- School instrumentation management

- Children relationship skills

April 2018	**School Delegate at "RomeCup" electronics exhibition**

Università Politecnica delle Marche

Via Brecce Bianche 12, 60131 Ancona (AN), Italy

- University equipment management
- Professional descriptive capacity

November 2017 - December 2017	**Panel Examiner at "Corto Dorico" film contest**

Nie Wiem

Via Matteotti 175, 60121 Ancona (AN), Italy

- Cinematographic culture
- Critical skills
- Scene evaluation abilities

PERSONAL SKILLS

Mother tongue(s)	Italian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2
First Certificate in English (FCE)				

English

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

Common European Framework of Reference for Languages

Communication skills

- Good communication skills acquired during the internships

- Professional relationship building ability developed by the contact with other workers

Organizational/managerial skills

- Leadership skills obtained in Loccioni Company as Project Manager

- Excellent organisational and prioritisation skills (through Gantt graph building)

Job-related skills

- Advanced soldering skills acquired during technical activities at school

- Good ability in mounting ad replacing THM components in electrical circuits

- Basic mechanical knowledge

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Indipendent user	Indipendent user	Proficient user

Levels: Basic user - Independent user - Proficient user

Digital competencies - Self-assessment grid

Computer skills

- Experienced user of Microsoft Office Software (Word, Excel, PowerPoint)

- Advanced user of Microsoft Apps (Outlook, ToDo, Planner, Teams, Onedrive)

- Good ability in Gantt graph builder programme (for organisational purposes)

- Experienced user of development environments (LabVIEW, Arduino, C++, LOGO, MPLAB-X, Eclipse) and hardware design and simulation programmes (KiCad, Multisim, Logisim)

- Basic knowledge in CAD programs (FreeCAD, CATIA, TinkerCad)

- Advanced coding skills (C++, Java, MicroPython, MATLAB, LabVIEW)

Other skills

- Good ability of giving presentations to large audiences

- Availability for new friendships and professional relationships

- Expert in helping other colleagues in study activities

- Very good problem-solving skills(especially for technical or digital issues)

- Excellent children's entertainment skills acquired in six years of school camp management for a non-profit organization

- Good ability in manual activities (particularly in hardware jobs)

Driving licence

- A2, B

ADDITIONAL INFORMATION

Projects

- (March 2022) Involved in the presentation of an ANcybernetics project at Expo 2020 Dubai, after the winning of the "Il futuro parte da qui" concourse organized by "Fly University Project" and "Sedici Media"

- (2018) High School project "AirCloud" (air quality control system device)

Honours and awards

- (17 November 2018) Prize for winning the Regional stage of "Premio Nazionale Scuola Digitale 2018" contest with the project: "AirCloud".

- (9 November 2018) Prize for winning the Provincial stage of "Premio Nazionale Scuola Digitale 2018" contest with the project: "AirCloud".

- (2017) Participation to the regional TV program "eTv Marche" as IIS Volterra Elia representative with the school principal.

Memberships

- (October 2018 - Present) Member of "CAMSA" Italian vintage cars and motorbikes club

- (June 2012 - Present) Member of "Oasi di Paradiso" non-profit organization

Courses

- (January 2022) Participation to the Boolean Coding Week of "Boolean"

- (November 2017) 30-hours Cinematography training course during "Corto Dorico"

Certifications

- (2019) COMAU certification (after a course about controlling and maintaining a robotic arm for industrial purposes

- (2014, 2015, 2016, 2017) Study distinction certification during four years in High School: grade point average over 8/10

- (2017) Cambridge Assessment English – First Certificate

- (2016) ECDL Full Standard certification