

PERSONAL INFORMATION

Giacomo Fiara

WORK EXPERIENCE

June 2020 - Present

Cooperation within the European project "Robopisces"

Università Politecnica delle Marche, Ancona, <https://www.robopisces.eu/univpm/>

- Composition of educational robotics kit for primary schools (using as main hardware the Mstack products).
- Design of a fish-shaped educational robot.
- Production of a collection of robotics lessons (included in a larger curriculum) for primary schools in order to:
 - o experiment STEM subjects;
 - o develop digital skills;
 - o introduce fundamentals of robotics and programming.

February 2019 – March 2019

Placement abroad as Electronic technician in Berlin

Roberto Gios – Elektriker & Elektroniker.

Reuchlinstr 2°, 10553, Berlin, Germany.

- Designing and construction of electrical systems and panel.
- Maintenance and repair of electrical machines (restaurant sector).
- Construction of home and small businesses automation systems.
- Improving English language.
- Learning the basic German language.

Business or sector Electrical systems.

September 2018 - October 2018

Internship in electronic designer (alternating school-work program)Automa srl, Casine di Paterno, Ancona, www.byautoma.com.

Working in design office.

- Updating of a firmware (remapping of pin and interrupts).
- Designing of a hardware serial interface.
- Doing a market research in order to get a general idea about key features, design and price of a new product to design.

Business or sector Electronic design.

June 2018 - July 2018

Internship in Project Engineer (alternating school-work program)Loccioni, Via Fiume, 16, 60030 Angeli di Rosora, www.loccioni.com.

Participation in the project "Classe Virtuale 2018.

Working in a team of eighteen people in order to create a start-up and develop a solution for quality control by using artificial vision system. ([4 Vision \(loccioni.com\)](http://4Vision.loccioni.com)).

Working as Project Engineer, technical manager of the development of the device.

Coordinating fourteen people, divided in three different teams, in order to define technical features of the solution keeping costs under control.

Ensuring a good communication between teams.

February 2018 - March 2018

Internship in electronic technician (alternating school-work program)Automa srl, Casine di Paterno, Ancona, www.byautoma.com.

Working in the analysis laboratory.

- Testing and repairing of precision dataloggers.
- Handling of ATEX motherboards.
- Soldering of smd components.

Business or sector Electronic design.

May 2017 - June 2017

Internship in warehouse management (alternating school-work program)Automa srl, Casine di Paterno, Ancona, www.byautoma.com.

Working in the warehouse.

- Shipment management and parcel acceptance.
- Making inventories of electronic components.
- Vertical automatic warehouse management.

Business or sector Electronic design.

2014 – 2020 **Volunteering**

Working as educator in Polverigi's parish, Beato Pier Giorgio Frassati's oratory.

Animating and educating children.

Organising of activities and theme days dedicated to the village community.

- Collaborating with other educators to work better.
- Interaction with people which have different age and different points of view.

EDUCATION AND TRAINING

September 2019 – Present

Student at Università Politecnica delle Marche: Bachelor's degree in Electronic Engineering

Faculty of Engineering, Università Politecnica delle Marche.

Via Brecoe Bianche 12, 60131 Ancona (AN), Italy.

- Currently attending the second year of the study course.
- 81/180 university credits achieved.
- 28,04/30 average mark.

September 2014 – June 2019

Student at IIS Volterra Elia Technical High School: "Electronics" study course. Diploma with final vote 100 with honors

IIS Volterra Elia, Via Esino 36, 60020, Torrette, Ancona.

Area of study: electronics.

Subjects studied.

- Electronics.
- Electronic Systems and Automation.
- Technology and Design of Electronic and Electric Systems.

EVENTS AND FAIRS

20-21-22 November 2019

Organizational support at "Fablearn Italy 2019" international conference

Università Politecnica delle Marche, Ancona, 2019.

- Logistic support.
- Using technical language with people.
- Working for a robotics workshop addressed to non-specialized teachers and young people.
- Public speech skills.

18-19-20 October 2019

School Delegate at "Maker Faire" electronics exhibition

Fiera di Roma, Roma, 2019.

Responsible of the presentation to the public of AirCloud.

- Nice communication skills.
- Public speech skills.
- Good knowledge of the technical details of the solution (AirCloud).

November 2018

Responsible in "Futura" electronics exposition

Molte Vanvitelliana, Ancona, 2018.

Responsible of the presentation to the public of AirCloud.

November 2017 - December 2017

Film competition judge

Participation as a judge at the "Corto Dorico 2017" film festival.

Judging the best movie for awarding the first price.

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

First Certificate in English (FCE)

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 gained through my experience as Project Engineer in Loccioni.
- Good attitude and experience in public speaking.
- Open-minded person, great respect and involvement of other's thoughts during a teamwork or a debate.
- Interested in knowing and making a good professional connection and friendship with other people.

Organisational / managerial skills

Predisposition to leading (I've done responsible for a team of 18 people in Loccioni):

- Good ability to influence and to drive other people.
- Having a complete view of a project (costs, timing, technical content), using of Gantt graph.
- Experience in working for creating a start-up.

Job-related skills

- Excellent soldering skills for mounting tht and smd components on pcbs.
- Good cable management.
- Average skills in adapting to different programming languages.
- Basic ability in pcb design.
- Advanced ability in reading and understanding technical documentation (datasheets, schemes, i.e.)
- Management of a small-size warehouse.
- Doing market researches.

Digital skills

SELF-ASSESSMENT

Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user

Digital competences - Self-assessment grid

- Good command of office suite and cloud server-based software (Word, Excel, Powerpoint, OneDrive, Teams, Dropbox, Dropbox Paper) developed during my working experiences in Automa (technical documentations) and Loccioni (sharing and managing of file in the teamwork), during projects (AirCloud's presentation) and course of study.
- Good knowledge of development environments (Arduino IDE, Microchip MPLAB-X, LOGO, LabView, Dev-C + +).
- Good skills using hardware and simulation softwares (NI Multisim, NI Ultiboard, Kicad).
- Base skills using software for creating illustrations and vector graphics (Adobe Illustrator).

Other skills

- Open personality and tendency to establish new friendships.
- Flexible thinking: excellent problem solving and adaptability skills in many different working environments.
- Very collaborative and unselfish person, predisposition to work in team and to help others.
- Having been practicing competitive swimming for 10 years.
- Deep interest in automotive.
- Excellent relationship with children due to many activities organised in oratory.

ADDITIONAL INFORMATION

Presentations

- (2018) *AirCloud*, Senigallia.
- (2018) *AirCloud*, Ancona.
- (2018) *SmartEye*, Angeli di Rosora.
- (2018) *EUWI (Erasmus+ project)* for some partnerships from Romany, Germany and Poland, Ancona.
- (2015/2019) Various events in school, IIS Voltera Elia.

Projects

- (2020- present) Involved in the founding of "ANcybernetics" (startup that develops biomorphic marine robots for edutainment purposes).
- (2018) *AirCloud*, IIS Volterra Elia.

- (2018) *SmartEye*, Loccioni.

Honours and awards

- (2018) 1st price in provincial stage of "Premio Nazionale Scuola Digitale", Senigallia.
- (2018) 1st price in regional stage of "Premio Nazionale Scuola Digitale", Ancona.
- (2015-2019) *Study Distinction*, IIS Volterra Elia, (from 2015 to 2016: grade point average over 8/10; from 2015 to 2019: grade point average over 9/10).
- (2015) Regional Chemistry Games, Camerino.

Courses

- (2019) COMAU certification (after a course about controlling and maintaining a robotic arm for industrial purposes).
- (2018) *First Certificate in English (FCE)*.
- (2017) *Corto Dorico*, lasted 30 hours, Ancona