



Andrea Alessi

Website: researchflow.dev

WORK EXPERIENCE

AUTOMATION ENGINEER – FUJI SEAL ITALY S.R.L. – 01/10/2025 – Current – RODIGO, ITALY

This worldwide company produces labelling machines for pharma and cosmetics.

My duties are:

- Designing and implementing PLC software, B&R and Rockwell, for new machine platforms
- Supporting machine commissioning in production environments
- Providing support to service teams and production technicians
- Performing on-site interventions at customer facilities, both nationally and internationally

R&D SOFTWARE ENGINEER – P.E. LABELLERS – 06/04/2022 – 30/09/2025 – PORTO MANTOVANO, ITALY

This worldwide company produces labelling machines for a lot of sectors, for instance, pharma, spirits and oil.

My duties were:

- ARM based microcontrollers programmer (Main programming language(s): C, Assembly).
- HMI software developer (Main programming language(s): JavaScript).

Now:

- Designing and implementing PLC software, in B&R, for new machine platforms
- Supporting machine commissioning in production environments
- Assisting in testing and validation during pre-series and series phases
- Developing internal tools and software for preproduction and testing
- Providing support to service teams and production technicians
- Performing on-site interventions at customer facilities, both nationally and internationally

TOOLMAKER – BELLELI ENERGY CPE – 05/10/2020 – 05/04/2022 – MANTOVA, ITALY

Business or Sector: Manufacturing

This worldwide company produces reactor for urea and petrochemical plants.

Furthermore, it produces heat exchanger for energy plants and it manages one of the main projects for the next generation fusion nuclear plant ITER.

My duties are:

- Special tools maker for: turning, milling and drilling machine.
- CNC machine operator.
- Field technician.
- Marker.

RESEARCH ENGINEER – PIRON SRL – 23/09/2019 – 30/09/2020 – CADONEGHE, ITALY

Business or Sector: Accommodation and food service activities

This company produces professional ovens for restaurants, supermarkets and hospitals.

I wrote my thesis with this company, in which I have talked about the thermodynamic model of a professional oven.

My duties are:

- Test Engineer.
- R&D Engineer.

INTERN – PIRON SRL – 19/02/2019 – 22/03/2019 – CADONEGHE, ITALY

-University internship.

EDUCATION AND TRAINING

01/09/2022 – CURRENT Bologna, Italy

MASTER DEGREE IN AUTOMATION ENGINEERING ALMA MATER STUDIORUM - Università degli Studi di Bologna

Website <https://corsi.unibo.it/2cycle/AutomationEngineering>

Website <https://corsi.unibo.it/laurea/IngegneriaAutomazione>

12/09/2011 – 04/07/2016 Mantova, Italy

MECHATRONIC TECHNICIAN ITIS "Enrico Fermi"

Address 46100, Mantova, Italy | **Website** <https://www.fermimn.edu.it/>

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

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

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

● DRIVING LICENCE

Driving Licence: B

● HOBBIES AND INTERESTS

Astrophysics fan

I like watching documentaries about science and physics.
Particularly, my favourite docuserie is "Cosmos" with Neil-DeGrasse Tyson.
One of the purposes in my life is visiting the NASA Headquarter.

● COMMUNICATION AND INTERPERSONAL SKILLS

Team working

In my work and when I studied at University, I have dealt with a lot of challenges that required a motivated team.
For instance, when we have to deal with a very complex program we split it and then we could work faster than solo programming.