

Curriculum Vitae

Agron Merseli



Personal information

Name and Surname **Agron Merseli**
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LinkedIn **[linkedin.com/in/merseliagron](https://www.linkedin.com/in/merseliagron)**
Date and place of birth **08/10/1992 – Treviso (TV), Italy**
Citizenship **Italian**

Employment **Industrial software automation**
Occupational field **Industrial Automation**

Professional experience

Date **July 2018 – Actual · 1 year 7 months**



Name and place of work **Spami Unipersonale S.r.l. – Piombino Dese (PD), Italy**

Type of business **Production of machinery for the glass forming, handling unit, inspection systems, sterilization systems, assembling and packaging machines and serialization technologies.**

Job activities **Senior software engineer for sterile and handling/packaging business unit.**

Main activities and responsibilities **Designing, developing and commissioning lines and machine. Programming PLC, HMI, Robot, Vision systems, motion and Safety PLCs.**

Development of documentation for CE manuals.

Qualifications and validations: FAT, SAT, IQ, OQ e PQ.

Instruments and programming languages **PLC: TIA Portal Step 7 CPU S7 -1500, Mitsubishi Melsec Q-Series**

HMI: TIA Portal WinCC, Schneider Pro-face, Zenon V7.20

Robot: FANUC LR Mate 200ID, SCARA SR 3iA, DENSO Anthropomorphic RC8

Networks: PROFINET, PROFIBUS, PROFISafe, RS232/485, CC-Link

Safety PLC: Pilz PNOZmulti, Simatic CPU S7-1500F

Servo axis: Sinamics S120, Sinamics S210, Mitsubishi MR-J4, Bosch Rexroth IndraDrive

Inverter: Sinamics G120, Oriental Motor, Stepper motor.

Pneumatic modules: Festo, SMC, Festo moduli safety MS6 e VSVA

Vision system: Cognex IS2000

Silicone dosing unit: IVEK Digispense 3020

Other activities **Troubleshooting and restore electrical connections. Reading electrical diagrams and P&ID.**

Training courses

- FANUC RO03 - Handling Tool - Programming (24 h)
- FANUC RO04 - Handling Tool – Advanced programming (8 h)
- FANUC RO06 - Function Dual Check Safety (8 h)
- GMP (Good Manufacture Practice) (2 h)
- BECHKOFF IT-TR3000-3003 Base (8 h)
- BECHKOFF IT-TR3020-3003 PLC Base (8 h)
- BECHKOFF IT-TR3050-3003 Motion Base (8 h)

Date **February 2015 – July 2018 · 3 years 6 months**



Name and place of work **Treesse Progetti S.r.l. – Quinto di Treviso (TV), Italy**

Type of business Industrial Automation

Job activities Research and development software solutions for industrial automation.

Main activities and responsibilities Development control and supervision systems for various industrial categories, from manufacturing to food, from energy distribution to buildings.

Hardware and software design of complete systems.

Instruments and programming languages PLC: Step7 CPU-200/300/400, TIA Portal Step 7 CPU-1200/1500, Schneider Zelio, Eaton.

HMI: WinCC Flexible 2008, TIA Portal WinCC

SCADA: WinCC v7.X, Zenon

Ind. Networks: PROFINET, PROFIBUS, ASi, Modbus, CANopen, RS232/485, MPI, PPI

Safety PLCs: Pilz PNOZmulti and PAS4000, ReeR, S7-1500 Fail-safe module with Profisafe networking

Frequency converters: Danfoss FC300, Schneider Altivar 32/71, Siemens G120, Omron

Servo Inverters: SEW Multi-Axis

Pneumatic modules: Festo, SMC, Metalwork

Main projects abroad Date: **02/2016**; Site: Wien, Austria

Customer: Boato International for Bauder

Develop full production line of bitumen insulation. Startup the first part of the line, hardware configuration and axes programming.

Date: **03-05-07-08-09/2016**; Site: El Oued, Algeria

Customer: Weiss for Agglo Sahara

Commissioning complete plant for the production of cement products as blocks, tiles and curbs.

Layout divided in two parts: a line for the transport and storage with functions for product traceability and the block making machine with harmonic vibration for the fresh product form.

Date: **04/2016**; Site: Brugge, Belgium

Customer: TMCI Padovan for Brouwerij Fort Lapin

Machine for beer production 20 hectoliters, 3 tanks with system for water mixing at correct flow and temperature.

Date: **11/2016**; Site: Barcellona, Spain

Customer: Impiantinox for Cervesa artesanal Almogàver

Machine for beer production 20 hectoliters, 3 tanks, system for water mixing at correct flow and temperature, malt transport and milling.

Date: **01/2017**; Site: Bordeaux, France

Customer: TMCI Padovan per Brasserie Artisanale du Mascaret

Machine for beer production 20 hectoliters, 3 tanks, system for water mixing at correct flow and temperature, malt transport and milling.

Date: **03-04/2017**; Site: Kuopio, Finland

Customer: TMCI Padovan for RPS Brewery

Machine for beer production 20 hectoliters, 3 tanks, system for water mixing at correct flow and temperature, malt transport and milling.

Date: **06/2017**; Site: Gignod (AO), Italy

Customer: Impiantinox for Birrificio Chaco

Machine for beer production 20 hectoliters, 4 tanks, system for water mixing at correct flow and temperature, malt transport and milling, custom recipe management

Date: **07/2017**; Site: Osoppo (UD), Italy

Customer: Fantoni

Developing and commissioning complete transport machine and storage for MDF panels.

Date: **12/2017**; Site: Agrate (MB), Italy

Customer: Star Industria Alimentare

Revamping and commissioning glutamate and salt transport and dosing for the production of the soup nut, complete code rewrite respecting the ISA 88 regulatory guidelines.

Date: **02/2018**; Site: Balme (TO), Italy

Customer: LASI for Pian della Mussa

Machine for beer production 30 hectoliters, 4 tanks, system for water mixing, malt transport and milling, fermenters, custom recipe management for no-stop brewing, supervisor system with Zenon sw.

Date: **03/2018**; Site: Verona (VR), Italy

Customer: Ospedale Borgo Trento

Revamping medium and low voltage cabinet, developing diagnostic for ABB and Thytronic instruments with RS485 serial communication and Modbus RTU protocol.

Date: **05-06/2018**; Site: Lyskovo, Russia

Customer: TMCI Padovan for Lyskovo Brewery

Machine for beer production 20 hectoliters, 4 tanks, continuous production 6 brews a day, double water mixer, raw materials plant, malt transport and milling machine, automatic hops doser. Storage cellar and yeast regeneration. 24 fermenters. Recipe archivation system with automatic weekly scheduler, trends and reports generation.

Date: **06-07/2018**; Site: Ath, Belgium

Customer: TMCI Padovan for Brasserie des Légendes




Machine for beer production 60 hectoliters, 4 tanks, continuous production 8 brews a day, double water mixer, hot water recovery, raw materials plant, malt transport and milling machine, automatic hops doser. Storage cellar and yeast regeneration. 24 fermenters. Recipe archivation system with automatic weekly scheduler, trends and batch reports generation.

Other activities

Assistance and on-site support or via remote connection in several multinational companies like: Birra Peroni Spa, Gimi Spa, Etra Spa, Heineken Italia Spa, TMCI Padovan Spa, Impiantinox Srl, Boato International Spa, Ospedale Borgo Trento, Roberto Alimentare Spa, Unilever Spa, Lasi Srl, CFT Spa, Dopla Spa, Weiss Srl, Agglo Sahara sarl, STAR Stab. Alimentare Spa, The GB Foods SA, Fantoni Group Spa etc.

Training courses

- Zenon supervisor Standard v7 (40 h)
- SEW-Eurodrive MOVIAXIS Multi-Axis Servo Inverter (8 h)
- Multimotion for MOVI-PLC (8 h)
- SITRAIN TIA-PRO1 Simatic TIA Portal v13 (40 h)
- SITRAIN TIA-PRO1 Simatic S7 Net + WinCC v13 (40 h)

Date	March 2012 – February 2015 · 3 years
	
Name and place of work	Kodis S.r.l. (succ. Garbuio S.p.A.) – Paese (TV), Italy
Type of business	Industrial automation specialized for the tobacco processing industry.
Job activities	Software engineer.
Main activities and responsibilities	Development systems for industrial automation, PLC, HMI and SCADA programming systems. Developing technical manuals FDS describing the operation of machinery or process lines. Installation and programming devices, machinery and process lines.
Programs and programming languages	PLC programming: Siemens Simatic S5, Siemens Simatic Step 7, Siemens TIA Portal, Bechhoff TwinCat 2 & TwinCat 3, Proficy GE Fanuc, Allen Bradley. SCADA programming: WinCC Flexible, WinCC 7.X, Zenon. Complete MS Office package (Word, Excel, Access, Visio, Outlook, PowerPoint, OneNote). PLC programming languages: STL, SCL, Graph S7, CFC, FBD, Ladder. SCADA programming languages: C, C#, VB, VBA, SQL.
Projects abroad	Date: 06/2012 ; Site: Logrono, Spain; Customer: Imperial Tobacco Group Revamping the entire production plant process for tobacco stem line. Development, programming and installation of machinery: feeder, flatteners, cutters, dryer, silos, weighers and filters.
	Date: 10-11/2012 ; Site: Semarang, Indonesia; Customer: Djarum. 5 complete process plants tobacco primary. Mainly done I/O check and automatic mode of conveyor belts.
	Date: 08-09-10/2013 ; Site: Surabaya, Indonesia; Customer: Gudang Garam. Complete plant for the production of tobacco. Mini-Primary with 8 interchangeable process lines. Development and programming of the processing machine Toaster (dryer and unscrambler flow).
	Date: 10-12/2013 – 01-02-07/2014 ; Site: Bayreuth, Germany; Customer: BAT. Plant for the tobacco expansion using a chemical process of sublimation of the carbon dioxide obtaining tobacco "Diet". PMD system for tobacco storage product composed of multi-deck silos (multi-level).
	Date: 11-12/2013 ; Site: Kuala Lumpur, Malesia; Customer: JTI. Programming and installation of end-line silos.
Date	October 2011 – February 2012 · 5 months
	
Name and place of work	Vetreria Paese di G. J. Meza – Paese (TV), Italy
Type of business	Production of finished glass
Job activities	(Stage) CNC technician, CAD models drawer.
Main activities and responsibilities	Cutting, grinding and milling the glass using CNC machines. Glass packaging. Experience with the forklift and the overhead crane.
Date	September 2010 – October 2010 · 2 months
	
Name and place of work	Assistenza Campi di Campi Adriano – Treviso (TV), Italy
Type of business	Electronic assistance and repairs.
Job activities	(Stage) Electronic technician

Main activities and responsibilities

Date

Electronic devices reparation: TV, Hi-Fi, Audio and Video systems.

February 2009 - June 2010 – July 2010 · 3 months



Name and place of work

Aerre Service di Renosto Antonio – Quinto di Treviso (TV), Italy

Type of business

Electronic assistance and repairs.

Job activity

(Stage) Electronic technician

Main activities and responsibilities

Electronic devices reparation: TV, Hi-Fi, Audio and Video systems, GPS.

Education and training

Date

September 2006 – June 2011 · 5 years



Institute

G. Giorgi – Treviso (TV), Italy

Title of qualification awarded

Technical electronic and telecommunications industries

International classification level

European

Date

September 2006 – June 2011 · 5 years



Institute

G. Giorgi – Treviso (TV), Italy

Title of qualification awarded

Technical expert in maintenance of electrical and the electronic technologies

International classification level

Italian

Date

September 2006 – June 2009 · 3 years



Institute

G. Giorgi – Treviso (TV), Italy

Title of qualification awarded

Operator of electronic industries

International classification level

European

Personal skills and competences

Mother tongue

Italian

Other languages

Self-assessment

European level

English

Comprehension				Spoken				Written	
Listening		Reading		Oral interaction		Oral production			
C1	Advanced	C1	Advanced	B2	Autonomous	B2	Autonomous	B2	Autonomous

Capacità e competenze organizzative

Good ability to adapt to the type of work using commitment and perseverance.
Prone to teamwork.

Computer skills	<p>Knowledge of the following programs: Microsoft Word, Microsoft Excel, Microsoft Access, Microsoft Powerpoint, Adobe Photoshop CSX, Adobe Dreamweaver CSX, Microsoft Windows (tutte le versioni), Linux Ubuntu (all versions), Eclipse, Android Studio.</p> <p>Knowledge of the following programming languages: C, C++, C#, Visual Basic, Java, PHP, Python, HTML, JavaScript, CSS, MikroC.</p> <p>Realization of Content Management System for publishing and updating content on a website.</p> <p>Programming the server side and client side database programming.</p> <p>Programming microcontrollers PIC, Atmel, creation of home domotic automated systems based on Atmel microcontroller in Arduino platform using as HMI control an Android applications communicating via Wi-Fi and Bluetooth technologies.</p>
Corsi formativi ulteriori	<ul style="list-style-type: none"> - Antennas and terrestrial signals (30 h) - Alternative energy and photovoltaics (30 h) - Electrical and electronic technology in the cars (40 h) - Using the PC in process control (35 h) - Legislation on electrical and electronic symbols (10 h) - Business organization (10 h) - Business Quality Control (10 h) - Job safety (10 h) - Law 626/94 (IT) - Education and information regarding work safety (8 h) - Informatics module: Microsoft Office 2000 (3 years) - Informatics module: CAD Autocad 2000 & Fidocad (3 years) - Informatics module: LabVIEW (1 year) - Informatics module: Electronic Workbench Multisim (2 years) - Informatics module: MikroC (2 years) - Informatics module: Visual Basic v6 (2 years)
Other skills and competences	Very enterprising with spirit of initiative.
Driving license	B - Car owner

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07 March 2020

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