

CURRICULUM VITAE OF BOZZA AUGUSTO



PERSONAL INFO

Name **BOZZA AUGUSTO**
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LinkedIn [/augustobozza](https://www.linkedin.com/in/augustobozza)
Nationality Italiana
Date of Birth 29/06/1995



EDUCATION

- From - to
- Name of Educational Institution
- Qualification

NOV 2021 – PRESENT

Polytechnic of Bari, Bari (Italia)

Ph.D. student in “Information and Technology Engineering”

- Date
- Name of Educational Institution

2021

Polytechnic of Bari, Bari (Italia)

- Main subjects and activities
- Qualification

Examination for the admission to the profession of Engineer.

Qualification to practice the profession of Industrial Engineer, Sect. A

- From - to
- Name of Educational Institution

OCT 2018 – APR 2021

Polytechnic of Bari, Bari (Italia)

- Main subjects and activities

Thesis in Dynamical Systems Theory titled: “*Design and test of real-time control systems for the cold metal sheet forming process in the automotive sector*”, carried out within the Research Project “PICO&PRO” at Decision and Control Laboratory of Polytechnic of Bari, with the supervision of prof. Mariagrazia Dotoli.

Main subjects and activities carried out during the master’s degree:

- Implementation of path planning algorithms for mobile circular robots and control techniques for anthropomorphic robot in Matlab (course of Robotics);
- Design of an MPC-based Adaptive Cruise Control (ACC) in Carla by using Python (course of Model Predictive Control);
- PLC programming and implementation of an HMI panel for the star-delta starting control of a three-phase electrical motor “Siemens 1LA7060-4AB10” by using TIA Portal and NI LabVIEW (course of Sensors and Transducers).

- Qualification

Master Degree in Automation Engineering – curriculum: Robotics

- From - to
- Name of Educational Institution

SEP 2014 – OCT 2018

Polytechnic of Bari, Bari (Italia)

- Main subjects and activities
- Qualification
- From - to
- Name of Educational Institution
- Qualification

Thesis in Electrotechnical titled: *"Home automation system for the Management of home appliances based on the Powerline Communication technology"* with the supervision of prof. Giuseppe Acciani.

Bachelor Degree in Computer and Automation Engineering

SEP 2009 – JUL 2014

High School Institute "Bonghi-Rosmini", Lucera (Italia)

Scientific high school diploma

WORK EXPERIENCE

- From - to
- Name and Address of Employer
- Type of Business
- Role
- Principal activities

JUL 2021 – OCT 2021

Close-Up Engineering, Faenza (Italia)

Communication

Writer

I write popular scientific articles for Tech, the division of Close-Up Engineering that deals with technology. Tools and technologies:

- WordPress;
- SEO.

- From - to
- Name and Address of Employer
- Type of Business
- Role
- Principal activities

JUN 2021 – OCT 2021

Decision and Control Laboratory, Polytechnic of Bari, Bari (Italia)

Research and Education

Postgraduate research fellow

As a postgraduate research fellow at Decision and Control Laboratory of Polytechnic of Bari, I have collaborated in the research activities of the laboratory.

More in detail, I have worked for the Research Project *"RAFAEL - Sistema per la previsione e la gestione del rischio sulle Infrastrutture Critiche nel Sud Italia"*. I carried out activities for the: "Analysis and definition of decision and control techniques for increasing the resilience of low and medium voltage distribution networks".

- From - to
- Name and Address of Employer
- Type of Business
- Role
- Principal activities

OCT 2020 – APR 2021

Decision and Control Laboratory, Polytechnic of Bari, Bari (Italia)

Research and Education

Intern student

During my internship at the Decision and Control Laboratory of the Polytechnic of Bari, I have been focused on the following activities:

- Studying of Digital Twin and its major applications in the Control Engineering field;
- Design and testing of real-time control systems for the cold sheet metal forming process in the automotive sector.

TRAINING COURSE

- From - to
- Name of Educational Institution
- Course name
- Main subjects and course activities

JAN 2021 – MAY 2021
University of Bari “Aldo Moro”, Bari (Italia)

Science communication training course

64-hour training course focused on the acquisition of the most important skills for science communication. Main topics:

- Team working;
- Science writing;
- Public speaking;
- Events organization;
- Social and media.

- From - to
- Name of Educational Institution
- Course name
- Main subjects and course activities

MAY 2020 – JUL 2020
Polytechnic of Bari, Bari (Italia)

Soft skills training academy

40-hour training course focused on the acquisition of the most important soft skills. Main topics:

- Communication;
- Team building and problem-solving;
- Skills assessment;
- Active job searching;

TECHNICAL SKILLS

Core competencies:

Robotics, Control Engineering, Programming, Model-based design

Programming languages:

Matlab language, Python, C, C++, Ladder Diagram

Software and Operating Systems:

Matlab / Simulink, Microsoft Office, Windows, Siemens TIA Portal, NI LabVIEW, Altium Designer;

SOFT SKILLS

- **Sociability, empathy, and flexibility**, acquired thanks to participation at cultural and theatrical activities.
- **Team working** skills gained at university and at work, and further enhanced by attending the training course “Poliba Soft Skills – Training Academy”.
- **Communication** skills acquired thanks to the social media management carried out for my theatrical company.
- **Public communication** skills also improved during the attending of the training course of “Science communication training course”.
- Good **work organization** and **problem solving** gained at university and at work.
- Good **organizational skills** acquired thanks to the coordination activity of a student association at high school.

LANGUAGE SKILLS

- Date
- Issued by
- Writing and Use of English
 - Reading
 - Listening
 - Speaking
- Overall score

ITALIAN

MOTHER TONGUE

ENGLISH (C1 CEFR)

MAY 2019

ESB – English Speaking Board

30/40

12/20

16/20

19/20

77/100

HOBBIES AND OTHER ACTIVITIES

Acting and music activities at an amateur level that allowed me to develop my creativity.

OTHER INFORMATION

Italian driving licence B

PUBLICATIONS

- A. Bozza, G. Cavone, R. Carli, L. Mazzoccoli and M. Dotoli, "An MPC-based Approach for the Feedback Control of the Cold Sheet Metal Forming Process," 2021 IEEE 17th International Conference on Automation Science and Engineering (CASE), 2021, pp. 286-291, [doi: 10.1109/CASE49439.2021.9551602](https://doi.org/10.1109/CASE49439.2021.9551602).
- Cavone, G., Bozza, A., Carli, R., Dotoli, M., "MPC-based Process Control of Deep Drawing: an Industry 4.0 Case Study in Automotive", in *IEEE Transactions on Automation Science and Engineering (T-ASE-2021-816)*, **Submitted: 31/07/2021**

I, the undersigned Bozza Augusto, aware that false declarations entail the application of criminal penalties provided for by art. 76 (D.P.R. 445/2000), declares that the information contained in the following curriculum vitae, drawn up in a European format, is correct.

Signature

Augusto Bozza

Bari, 28/11/2021