Curriculum Vitae Europass
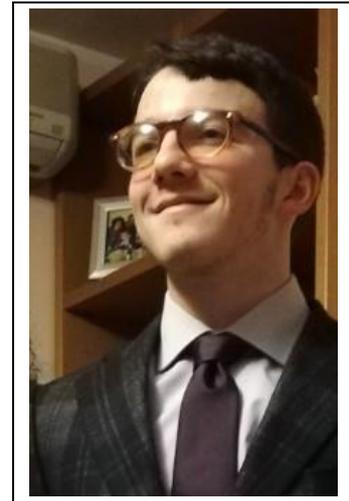
Personal Information

Iacopo Curti	
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Wechat ID	IacopoCurti
Citizen	Italian
Date of birth	02/08/1997

Desired Position
Sector/Department

Engineer
Artificial Intelligence/ Computer Vision

Educational experience

Date **2016-2019**

University specialization — Automation Engineering (bachelor's degree program), University of Bologna (Alma mater studiorum)

Program goal — The specific learning outcome of the Automation Engineering program is to train professionals with a solid basic preparation who are able to perform technical management and design roles in companies where it is necessary to have a knowledge of sizing and creating architectures of medium/high complexity, automated and robotic systems, and automation processes and installations that integrate computer components and devices for measuring, transmission and implementation.

Date **September 2017-August 2018**

Experience **Second Academic Year at Tongji University in Shanghai (China).**
I have been involved in Almatong Project since September 2017 until the end of my bachelor's degree. This project represents an exchange agreement, as a training program, between the universities of Bologna and Shanghai. During my experience in China I studied Engineering topics in English language and in addition to the exams complaint with the Italian study, I did a basic course of Mandarin Chinese language.

Project Targets — The project allows students to get a double degree, in Italian and Chinese. After graduating in Italy, in order to get the Chinese degree, it is mandatory to have a work experience in Shanghai of at least 200 hours.

Date **03/10/2019**

Bachelor's degree in "Automation Engineering": 110/110

Date	**21/12/2020**
Experience	Conclusion of the Almatong project, Chinese title: 88.33/100
Date	**July 2020-December 2020**
Experience	**Stage at Schneider Electric in Conselve (Veneto).** The R&D senior engineer of the company and I have developed a touchscreen HMI for a new Chiller machine.
Date	**2020-2023**
University specialization	Automation Engineering (master's degree program), University of Bologna (Alma mater studiorum)
Program goal	The Master's Degree in Automation Engineering is entirely taught in English and provides students with interdisciplinary skills at the intersection of Automatic Machines, Autonomous Systems, Robotics, Mechatronics, and Mechanical Engineering, based on multidisciplinary training from Control and Systems Theory, Optimization, Distributed Computing, Mechanics, Computer Vision, Real-time Software and Artificial Intelligence. Multidisciplinarity is its strength.
Date	**22/03/2023**
	Master's degree in "Automation Engineering": 107/110
Date	**16/05/2023-15/08/2023**
Experience	**Fixed-term contract at S.I.N.A s.p.a** I have worked in the semantic segmentation field as an AI researcher, studying the state of the art of deep learning architectures adopted for that task. I have used high-resolution images as input data for those architectures. Moreover, I have studied 3D data (extracted from LIDAR sensor) to investigate the possibility of using that kind of data as inputs to deep learning architectures.
Date	**September 2023-September 2024**
Experience	**Research grant in Computer Vision and Artificial intelligence** The task which I am supposed to handle concern the instance segmentation of the streets to detect zebra crossing and street barriers. I am going to use Artificial intelligence algorithm to manage this job, which is capable of taking advantage of both LIDAR and image data, to improve robustness of the prediction.

Scientific Publications

No publications

Scholastic education

Date	**2011-2016**
College	Scientific High School . "Liceo Scientifico Augusto Righi" – Bologna (Italy) School-leaving certificate : 96/100

Language

Mother tongue	**Italian**
Other languages	English, advanced knowledge in listening, writing, and speaking (level C1 IELTS Academic in 2019) Chinese, basic knowledge
Skill	Problem-solving, task management, teamwork, control of automatic machines
Technical Skill	Many programming languages: • MatLab code, advanced knowledge • C, good knowledge • Python, advanced knowledge (especially JAX, PyTorch and Tensorflow modules) • SFC and ST, good knowledge (CoDeSys base)

Advanced user of MS Office
Advanced user of Linux operating system especially Ubuntu distribution
Good user of Simulink environment in MatLab and ROS/ROS2 software libraries

Driving Licence	B license (Italian)
Sports	Basket and Football
Objectives	Find a dynamic working context based on innovation to improve my skills at work in a team and human relationships and my engineering knowledge.

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