GABRIELE BALDI

CONTROL SOFTWARE ENGINEER

CONTACTS
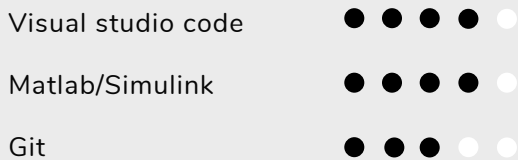
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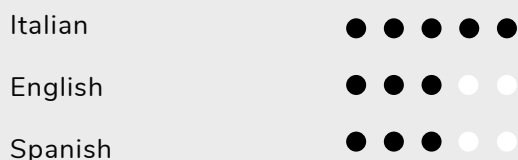
PROFILE

Control software engineer with 2 years of experience into R&D fields, and a background in Automation/Mechatronics engineering. I've always been interested in topics concerning technology and Industry 4.0, especially robotics, control theory and computer science. I love to learn something new everyday

SKILLS

PROGRAMMING

C	●●●●○
C++	●●●○○
Python	●●○○○
PLC	●●○○○

TOOLS

Visual studio code	●●●●○
Matlab/Simulink	●●●●○
Git	●●●○○

ENGINEERING RELATED

Communication protocols	●●●●○
Control System Design	●●●●○
Analog electronic Design	●●●○○

LANGUAGES

Italian	●●●●●
English	●●●○○
Spanish	●●●○○

EXPERIENCES

15 February 2021 - 14 February 2022
R&D FIRMWARE ENGINEER
Scuola Superiore Sant'Anna (In collaboration with Inpeco S.p.A.)

Software development and hardware integration of a prototypal automatic production line in anatomy pathology

15 February 2020 - 14 February 2021
RESEARCH ASSISTANT
Scuola Superiore Sant'Anna

Exploring new technologies, focused on Ultrasounds, for diagnosis and treatment of gut diseases

EDUCATION

edX Verified Certificate for Robotics Foundation II - Robot Control (2021)
https://courses.edx.org/certificates/1c3335227e8a46f3948951df8da92919

Programmazione PLC - Imparare le basi con CodeSys (2021)

Politecnico di Torino, 2017-2019
MSc in Mechatronic Engineering, 110/110
Thesis: An Off-line Optimized Planner for the Generation of Path and Orientation of Industrial Robots

Università degli studi di Napoli Federico II, 2012-2017
BSc in Automation Engineering, 95/110

First Certificate in English - Level B2 (Cambridge Assessment English 2017)

Diploma de español - Nivel (Instituto Cervantes 2015)

PUBLICATIONS

G.Baldi, A.Cafarelli, R.Bisogno, S.Vetrano, L.Ricotti, Modelling of in vivo LIPUS stimulation of murine intestinal wall, IEEE IUS, 2021

Fontana, F., Iberite, F., Cafarelli, A., Aliperta, A., Baldi, G., Gabusi, E., ... & Ricotti, L. (2021). Development and validation of low-intensity pulsed ultrasound systems for highly controlled in vitro cell stimulation. Ultrasonics, 116, 106495