



# Sergio Gugliandolo

## Contacts

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- [sergiogugliandolo.com](http://sergiogugliandolo.com)

- Driving license B
- Willing to travel
- Willing for transfers

## Languages

Italian (native); English (B2, FCE)

## Hard skills

Matlab; Simulink; Simscape; Stateflow; ROS; ROS2; Gazebo; Fusion360; Inventor; Solidworks; Onshape; VS-code; GIT; AutoHotKey; Excel; LTSpice; NI LabVIEW; NI Multisim; Tracker; Revit; Maple; C; Cpp; Python; Javascript; L<sup>A</sup>T<sub>E</sub>X; HTML; Tailwind; CSS, XML; YAML.

## Soft skills

project management; prototyping; creativity; attention to detail; problem-solving; innovation; teamwork; ability to work under pressure; curiosity; leadership; analytical thinking; active listening; adaptability; brainstorming; research; resilience; reliability; flexibility.

Passionate about bridging engineering and biology, I am a mechatronics engineer in love with innovations. My expertise lies in designing, developing, and integrating systems that solves complex challenges. My education and experience have provided me with a deep understanding of mechanical, electronic, control, and biomedical engineering principles – a powerful combination! I possess a proven ability to seamlessly translate theoretical concepts into practical applications. I am also in for creativity, problem-solving, and collaborative teamwork. These qualities, coupled with my energy, make me an invaluable asset to any team seeking to revolutionize any field. My skills?  $-0.08(3)$  - or at least I try.

## Working experience

- 2024 - Present **BrainTex** I3P - S.c.p.a.  
**Co-founder & COO of BrainTex**  
 - I co-founded BrainTex with three friends. We ventured into the startup ecosystem and expanded our knowledge on the intricacies of building a business.  
 - As the COO, I led the technical development, overseeing all technological aspects of the company and helping to raise the TRL from a basic idea to a commercial product  
 - I was involved in general startup activities including fundraising, networking, and many other essential tasks.
- 2022/10/30 - Present **Team ISAAC** Politecnico di Torino  
**Team leader & head of mechanics area**  
 - I helped developing the first iteration of the robot (MK1).  
 - My expertise earned me a leadership position as Head of the Mechanical Department, where I guided the team in designing and developing the MK2 robot.  
 - My leadership acumen was further exemplified in my role as Team Leader, where I guided and motivated a team of 35+ university students.

## Education

- 2024 **Startup Academy** I3P - S.c.p.a.  
 I mastered the intricacies of building a startup, going from complete novice to a confident entrepreneur. The program provided a dynamic mix of foundational lessons, interactive business games like simulating investor pitches, and invaluable feedback sessions with experienced I3P tutors, external mentors, and established startup founders.
- 2023/09/30 - Present **M.Sc in Mechatronics Engineering** Politecnico di Torino  
 From the concept stage, I mastered integrating electronics, mechanics, automatic controls and IT to create robust and efficient solutions. Lectures span from ‘Robotics’ and ‘Robust control theory’ to ‘Model-based software design’ and ‘Electronics’, to really know everything you need for a complete project.
- 2019/09/30 - 2023/09/18 **B.Sc in Biomedical Engineering** Politecnico di Torino  
**Thesis: "Methods of diagnosis and treatment of conduction block in motor nerves"**  
 Fusion of engineering disciplines like mechanics, materials science, and electronics with the addition of some medical knowledge.
- 2014 - 2019 **High school diploma** S.G.Bosco, Messina  
 Specializing in mathematics and physics

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Place and date: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_