

# Giovanni Scovotto

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## Education

### Politecnico di Torino

B.Sc. IN COMPUTER ENGINEERING

Turin, Italy

Oct. 2023 - Expected Jul. 2026

- **GPA:** 27.20/30

- **Honours:** Selected for the Honours Programme "Percorso Intraprendenti" (reserved for top-performing students).

- **Relevant Coursework:** Object Oriented Programming (29/30), Data Structures and Algorithms (27/30), Operating Systems (29/30), Computer Architecture (27/30), Programming Techniques (30/30 with honours), Databases (27/30).

### IIS IPSAR "G. B. Piranesi"

APPLIED SCIENCES LYCEUM DIPLOMA

Capaccio Paestum, Italy

Sep. 2018 - Jul. 2023

- **Final grade:** 100/100 with honours

- **Awards:** 1st Place at RobotCup@School 2023; 1st Place in the School Ranking for the Informatics Olympiad (twice).

## Academic & Personal Projects

### Challenge@Polito by Firms: Hitachi Rail (Master's Course)

Politecnico di Torino

TEAM MEMBER

Feb. 2026 - Jun. 2026

- Selected via the "Percorso Intraprendenti" honours programme to participate in a Master's level corporate challenge.
- Collaborating in a multidisciplinary team to develop a **Generative AI** model for smart synchronization across hybrid railway software systems.
- Designing a natural language query system to automate **DevOps** synchronization, identify discrepancies, and manage safe updates in operational/test environments.

### "Liceo in 360°" - Virtual Reality Campus Tour

IIS IPSAR Piranesi

CREATOR & WEB DEVELOPER

Oct. 2022 - Feb. 2023

- Built a Street View-like 360° virtual campus tour, reaching 2,000+ users in 3 months.
- Processed and optimized 360° images using AI upscaling and denoising tools.
- Developed the frontend using **HTML/CSS/JS**, integrating Marzipano VR for rendering, with deployment via **GitHub**, **Netlify**, and **Firebase**.

### RobotCup@School - 1st Place Winner

University of Salerno

TEAM LEADER

Nov. 2022 - May 2023

- Developed a state-based **conversational AI** for the humanoid robot "Pepper" using **Choregraphe** and **Python**.
- Implemented real-time facial recognition, emotion detection, and demographic profiling to adapt the robot's behavior.
- Implemented **IoT** integration via **MQTT** to allow the robot to control external smart devices, alongside a synchronized interactive tablet UI.

## Leadership & Extracurricular Activities

### B.E.S.T. Politecnico di Torino

Turin, Italy

BOARD MEMBER (PREV. PROJECT MANAGER)

Jul. 2024 - Jun. 2026

- Directing 60+ members and 17 coordinators to organize 6 large-scale STEM events with an annual turnover exceeding €70,000.
- Led a 10-person team as Project Manager to organize "IBEC", a local engineering competition involving over 420 participants, managing corporate relations, fundraising, and logistics.

### Board of European Students of Technology

International

CERTIFIED SOFT SKILLS TRAINER

May 2025 - Present

- Completed 100+ hours of intensive "Train the Trainer" education to become a certified trainer for a network of European student NGOs.
- Designed and delivered 30+ hours of soft skills sessions tailored for STEM students.

### EU Neighbours East / DiscoverEU

Italy, Slovenia, Poland

YOUNG EUROPEAN AMBASSADOR & DISCOVEREU AMBASSADOR

Aug. 2023 - Present

- Selected by EU-funded programs to promote knowledge about the EU and promote youth mobility.
- Delivered workshops across Italy, Slovenia, and Poland, and presented EU promotion strategies at national meetings.

## Skills

**Programming** C, C++, Python (Pandas, NumPy), Java, MATLAB, Bash Scripting, RISC-V Assembly

**Web & Databases** HTML, CSS, JavaScript, SQL, MySQL, Firebase

**Tools & Technologies** Git, LaTeX, Office Suite, Adobe Creative Suite, Agile Methodologies

**Languages** Italian (Native), English (C1 - Cambridge Certificate: 187), French (A2)