

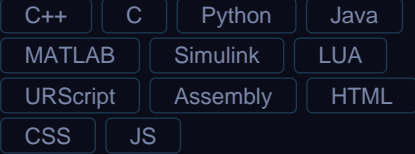
# FEDERICA CAPPUCCI

## Robotics Engineer

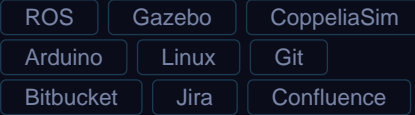
Bregenz, Austria · Originally from Italy · Available for relocation

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### PROGRAMMING



### FRAMEWORKS & TOOLS



### EDUCATION

#### 2020 — 2023

##### M.Sc. Computer Engineering

Embedded & Control Systems

University of Pavia

#### 2016 — 2020

##### B.Sc. Computer & Electronics Engineering

University of Pavia

### LANGUAGES

Italian	Native
English	C1
German	A2

### PROFILE

Robotics engineer specializing in full-stack development of Autonomous Underwater Vehicles (AUVs) and collaborative robot arms. Background in control systems, embedded software, and simulation (Gazebo, CoppeliaSim). Experienced in deploying algorithms on real hardware (UR5, UR10, Sparus2 AUV). Based in Bregenz, Austria; originally from Italy; open to relocation.

### WORK EXPERIENCE

#### Robotics Engineer

2024 — Present

Subdron GmbH · Bregenz, Austria

→ Full-stack AUV development: sensor driver integration, ROS architecture design and maintenance

→ Validation in Gazebo simulation and real-world underwater environments using Sparus2 AUV

→ C++/Python programming, code review, hardware debugging, and colleague training



#### Intern Robotics Engineer

2023 — 2024

Subdron GmbH · Bregenz, Austria

→ System testing in real-world and simulated environments

→ R&D into integrating collision avoidance algorithms into the existing software architecture



#### Master's Thesis Intern

2022 — 2023

Atom S.p.A · Italy

→ Designed A\*-based collision avoidance and path planner — validated in CoppeliaSim, deployed on UR5

→ Implemented a control loop automating shoe bonding process on UR10 with microprocessor

