Baris Yazici

barisyazici@alumni.sabanciuniv.edu | github.com | linkedin.com

ROBOTICS SOFTWARE ENGINEER

Computer Science researcher and practitioner bridging the gap between theoretical robotics and industry applications, with expertise in reinforcement learning and control systems. Distinguished track record of open-source contributions (200+ GitHub stars) and production-level robotics software development at Franka Robotics.

SPECIAL ACHIEVEMENTS

- Developed Ingenuity Mars Helicopter simulation in ROS 2 Gazebo for NASA Space ROS competition (5th place, $1,250 prize). Project Link
- Created one of the first industrial ROS 2 implementations with franka_ros2, achieving 200+ daily downloads and establishing collaboration with Open Robotics Project Link
- Created an open-source reinforcement learning robotic grasping in implementation garnering significant community engagement (200 stars, 40+ forks) and practical industrial applications Project Link Blog Post

PROFESSIONAL EXPERIENCE

Franka Robotics — Munich, Germany — 2022–Present

Robotics Software Engineer

- Developed cartesian coupling impedance control for dual-arm manipulation, showcased as main demo at CoRL '24 and ICRA '24
- Led franka_ros2 development as early ROS 2 industrial adopter, implementing modern C++ practices and real-time control

Toposens GmbH — Munich, Germany — 2021–2022

Robotics Software Engineer

- Developed 3D ultrasonic sensor applications with real-time threaded point-cloud processing and filtering in C++ and ROS.

TECHNICAL SKILLS

Core
- Modern C++
- ROS/ROS 2
- Python

Robotics
- Robot Dynamics
- Path Planning
- Teleoperation
- Impedance Control

Tools
- Tensoflow/ Pytorch
- Git, Docker
- CI/CD
- IsaacSim/ Gazebo

EDUCATION

M.Sc. in Computer Science, Technical University of Munich — *2017–2021*
GPA: 1.7/5.0

B.Sc. in Robotics Engineering, Sabanci University — *2012–2017*
GPA: 3.25/4.0