



Contact



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<https://www.linkedin.com/in/jasper-blank>

Technical skills

Python • MATLAB/Simulink • C++ •
Solidworks • Control engineering • Robot
kinematics/dynamics • System identification •
Signal processing • Mechatronics prototyping •
Simulation & modelling

Soft skills

- Teamwork
- Problem solving
- Technical communication

Certifications

BHV (Emergency Response)

First aid at red cross

Lifeguard open water

Languages

Dutch (native)

English (fluent)

Hobbies

Ballroom dancing

I have been ballroom dancing for 2 years. I am currently at the C dancing level.

Jasper Blank

Master's student in Biorobotics at the University of Twente, with a strong interest in applying robotics to practical problem-solving. I enjoy building and working with robotic systems and take a straightforward, hands-on approach to technical challenges. I'm comfortable taking initiative and focusing on the problems that actually move a project forward. I am currently seeking an internship as part of my MSc programme in Biorobotics.

Education

University of Twente - Master degree in Biorobotics

2024 - Current

My studies are focused on designing and controlling robotic systems that interact with humans. I worked on wearable robotics, rehabilitation devices, and human-movement modelling. I've built a solid foundation in control engineering, signal processing, and mechatronic design and have hands-on experience developing controllers and testing them on real robotic systems.

University of Twente - Bachelor in Biomedical engineering

2019 - 2024

Final project: Developed a compact, incubator-compatible pump that provides precise micro-scale flow regulation for blood-mimicking models. Worked on CAD design using solidworks, actuation, flow-rate control, and validation. The system enabled repeatable, stable flow suitable for in-vitro experiments.

Work experience

Swimming Instructor & Lifeguard at UTwente

March 2023 - current

I taught beginner-level swimming lessons for children, helping them develop basic technique, confidence, and safe behavior in the water. Alongside teaching, I independently supervised the pool, monitored swimmer safety, and ensured that facility rules were followed to maintain a safe environment for all visitors.

Treasurer Z.P.V. Piranha

July 2023 - September 2024

As treasurer, I was responsible for the financial management of a 400-member student sports association, working with an annual cashflow of more than €50,000. I handled budgeting, bookkeeping, and financial reporting, and collaborated closely with the rest of the board on strategic and operational decisions. In this role I gained practical experience with Davilex and Visma Cash, ensuring accurate administration and clear communication toward members and stakeholders.

Valuable experiences

Independant technical projects

Alongside my studies, I enjoy exploring technical areas beyond robotics. I regularly take on small side projects—ranging from programming experiments like building my own website or creating simple games, to practical robotics tinkering such as prototyping a small garden-weeding robot.

Student board & organisational committees

I collaborated in organising events, managing logistics, and coordinating communication within student associations, gaining practical experience in planning, communication and creative problem solving