



Master's Thesis Opportunity at Nature Robots

About Nature Robots

Nature Robots is a disruptive robotics and AI startup dedicated to transforming agriculture through innovation. We are committed to developing cutting-edge solutions that support regenerative and sustainable farming practices, addressing the challenges posed by climate change, population growth, and the need for local food production.

Your Thesis with Purpose

We are looking for Master's students who want to apply their academic skills in a real-world, fast-paced environment where research meets application. Whether you're from robotics, computer science, mechanical engineering, web development, or business - we offer thesis topics that match your background and help shape the future of farming.

Potential Thesis Focus Areas

Depending on your field of study and interest, your thesis could explore areas like:

Robotics & AI

- Autonomous navigation, SLAM, and motion planning in agricultural environments
- Sensor fusion (LiDAR, camera, IMU) for real-time robot decision-making
- Path planning and control algorithm optimization (ROS 2, MBF)
- Development of adaptive agricultural robot behaviors

Web Development & Platforms

- Frontend/backend development for AI-powered farming dashboards
- Real-time data visualization and performance optimization
- Cloud-based architecture for large-scale agricultural datasets

Business & Strategy

- Business models for robotics-as-a-service in agriculture
- Market analysis of autonomous agri-tech solutions
- Strategic partnerships and customer development in B2B agri-tech
- Development of data-driven sales and CRM processes



We also welcome your own ideas - if you have a research direction in mind that fits our mission, let's talk!


What You Bring

- Enrolled in a Master's program in Robotics, Computer Science, Engineering, Business, or related fields
- A proactive, hands-on attitude and passion for innovation and sustainability
- Relevant technical or analytical skills (e.g., Python/C++/ROS, web tech stack, market research)
Ability to work independently and communicate effectively in English (German is a plus)
- Not all requirements need to apply – we tailor topics to your strengths

What We Offer

- A meaningful thesis in a pioneering startup creating real-world agricultural impact
- Daily challenges and genuine ownership of your work
- Flexible hours, hybrid options, and a collaborative environment
- Work at the Coppenrath Innovation Centre (CIC) near Osnabrück main station and/or our outdoor robotics test site in Arenshorst (incl. office, workshop, and fenced farmland)
- Long-term opportunities: we often offer follow-up positions

Ready to write your thesis where tech meets nature?

 Send us a short motivation, your CV, and your field of interest to career@naturerobots.com. We're excited to hear from you!