



Dahlia Robotics

Electrical Engineer (m/w/d) at Dahlia Robotics GmbH

Solve complex robotics problems and help the first generation of autonomous farming robots to succeed.

About Dahlia Robotics

Dahlia Robotics' vision is to remove the need for herbicides in agriculture and make organic food production the standard.

To achieve this, we build farming robots which autonomously take care of tedious tasks like weeding. Our robots automatically recognize crops and weed on the field through computer vision and machine learning techniques and remove the weeds through mechanical tools.

We are a multidisciplinary team with backgrounds in computer science, electrical and mechanical engineering, geocology and UX design, heavily supported by local farmers.

Job Description

As one of the first employees in our fast moving startup you will design and overview the manufacturing of the electrical system for our robots. You will be in charge of designing, testing and iterating on existing and new electronics design as well as designing and optimizing for manufacturing the electronics system of our machines. Your work will include:

- Validating system performance through hands on testing and troubleshooting
- Producing clear and practical electrical schematics
- Designing Wiring harnesses and Electrical enclosure layouts
- Overseeing the fabrication of the electrical systems you designed
- Close collaboration with software and mechanical engineers

Skills required

- Master (or comparable) in electrical engineering, computer science or a related field
- 2+ years of practical experience in industrial or automotive electrical design or controls hardware
- Hands on experience troubleshooting electrical issues
- Experience in designing custom boards
- Ability to create professional wiring diagrams, electrical schematics and panel layouts
- Exposure to manufacturing of electrical systems
- Programming skills in Python or C/C++
- Proficiency in English

Beneficial

- Experience in ROS
- Experience with PLCs
- Experience with automotive hardware design
- Interest in (organic) agriculture

Contact

Please send your application via email to jobs@dahliarobotics.com