

Working Student (m/f/d): Hardware Development – Tübingen

flexible (3 to 6 months)

What we do

Our product, Maddox AI, is an AI-based visual quality control solution, which can automate manually performed quality inspection for manufacturing companies. Maddox AI is an asset-light SaaS solution, which addresses those visual inspection tasks that are still performed manually, as conventional (=rule-based) computer vision methods fail. In product development, we closely collaborate with leading AI researchers from the Cyber Valley. Prof. Dr. Matthias Bethge, Prof. Dr. Alexander Ecker and Dr. Wieland Brendel have been researching in the field of machine learning and computer vision for years and are part of our founding team.

Maddox AI is used by DAX-30 companies as well as by large medium-sized enterprises. Our team consists of scientists, former strategy consultants, mechanical engineers, and software developers. We know that Layer7's success is only made possible by our unique team. As we continue to grow, we want to convince the best and brightest minds of our mission to establish Maddox as the modern quality management platform.

Your role

- Test and integrate new hardware components (line scan camera, encoder, frame grabber, step motor, etc.)
- Support assembly of custom machines (robotics, pneumatic handling, etc.)
- Support assembly of electronic components (connectors, cables, etc.)
- Support CAD design process
- Support of our project managers in the conception and design of image processing systems

Your profile

- You are currently pursuing or are a graduate of a bachelor's/master's degree in mechatronics or a related field
- You have a strong passion for startups
- You are confident in at least one of the following areas including its relevant tools/frameworks and are willing to independently further your knowledge:
 - First experience in Python
 - First experience in microcontrollers (for example Arduino)
 - First experience in CAD
- You demonstrate a pro-active work ethic: goal-driven, independent, and structured
- You possess excellent communication and interpersonal skills to effectively communicate with our business and tech teams
- You already have relevant work experience such as internships or co-developing open-source projects (this is a plus!)
- You own a car (this is a plus!)

Why us

We work in flat hierarchies, value direct communication, learn a lot as a team and make important decisions together. At Layer7 you can expect the following benefits:

- Independent work on projects in the field of artificial intelligence / Industry 4.0
- Flat hierarchies, a growth perspective and very good development opportunities
- A dynamic and motivated team with great colleagues (with experience from BCG, IBM, SAP, Cyber Valley, etc.)
- Regular team events

Contact us

Please use following [link](#) to apply and fill out the application form. Otherwise, we cannot consider your application. Thanks!

If you have any further questions, please feel free to contact us at recruiting@layer7.ai.