

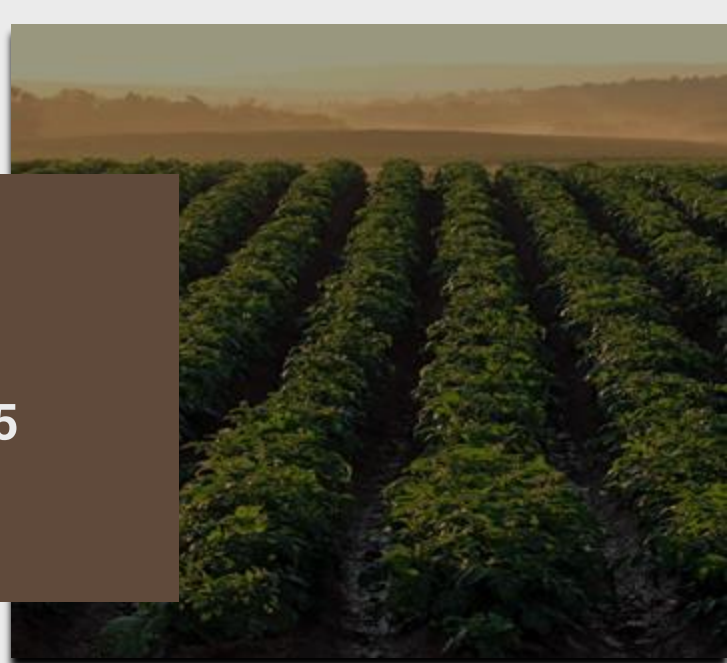


Karevo

Dive into the World of
Automation in Agriculture!

IDP Opportunities - SS2025

- Edge Computing
- DevOps & Containerization
- MLOps



Our mission

We specialize in creating affordable, retrofittable potato sorting systems. Our core mission? Empowering farmers with state-of-the-art AI. With our solution we want to reduce their workload, save labor costs and allow them to focus more on the product and their personal life. We're initiating our journey with small to medium scale potato farmers as our primary market, setting the stage for further affordable automation innovations in agriculture.

IDP Positions

Position 1: Edge Computing with NVIDIA tools

- Optimize our pipeline to run efficiently on edge devices (Linux, arm64 architecture) using NVIDIA tools.
- Tools & Technologies: DeepStream SDK, Triton Inference Server, TensorRT, CUDA, C++, Python

Position 2: DevOps & Containerization

- Build and maintain scalable infrastructure with automated deployment pipelines and monitoring systems for our ML applications.
- Tools & Technologies: Docker, Kubernetes, Linux, Shell scripting, Python

Position 3: Improving the Detection of Potato Defects

- Work on our MLOps pipeline to continuously improve our detection quality.
- Tools & Technologies: Python, YOLO models, CVAT annotation, AWS

Position 4: Software Testing

- Develop a sophisticated testing pipeline to identify system gaps and enhance overall performance.
- Tools & Technologies: Docker, Python, React/TypeScript, FastAPI, Git, Prometheus, Grafana



Start-up culture

Team events, agile work style, flat hierarchies, flexible working hours, motivated team



Real world impact

You will help develop affordable machines for farmers, reducing their workload and improve food security



Ownership

You get responsibility for your task and are the first contact person for that.



Office and Makerspace

We have our office space in the TUM Venture Lab in Freising with direct access to a makerspace and colab

Contact



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