

Edge AI Developer

You make our disease-detection models run in real time on the hardware mounted on the selection cart.

Hybrid · Ghent

Full-time · 38 h/week

Start as soon as possible

ABOUT CROPTIC AND THE PROJECT

Croptic is a Ghent-based agritech startup. We are building a machine-mounted camera system that detects plant diseases in the field in real time, so farmers can grow healthier crops. Our first target is mosaic virus in seed potatoes.

In seed-potato fields, selectors walk the rows by hand and remove diseased plants before the virus spreads. Our system runs on their selection cart and helps them spot infected plants on the spot. Farmers catch disease earlier, get better crops and use fewer insecticides.

WHAT YOU WILL DO

- Solve some of the toughest problems in computer vision
- Build a system that makes farming more sustainable

ON THE TECHNICAL SIDE

- Deploy computer vision and AI models on edge devices with the lowest possible latency, so they detect disease in real time
- Optimise models for the edge with TensorRT, ONNX and PyTorch deployment strategies
- Build Qt-native, multi-threaded software that handles camera input, inference and output in parallel
- Build the operator interface on the cart with PyQt
- Test the system in the field with the team and with selectors

WHAT WE OFFER

- A market-conform salary
- The possibility of a company car
- Insurance and other benefits
- A 38-hour work week, hybrid from Ghent with time in the field
- Start as soon as possible
- Meaningful, high-impact work that helps farmers grow healthier crops with fewer chemicals

WHAT WE ARE LOOKING FOR

The only hard requirements are passion, drive and a willingness to learn. The problems we tackle are tough, so motivation is key.

PLUSES FOR THIS ROLE

- Multi-threaded and async programming
- PyQt
- TensorRT, ONNX or PyTorch model deployment
- Real-time computer vision
- Geolocation, transformation and projection systems
- Camera calibration (intrinsic or extrinsic)

PLUSES FOR EVERY ROLE

- Agentic coding: building software with AI coding agents
- Python
- Ubuntu and Linux systems
- Geographic information systems (GIS)
- Any agronomy or plant physiology knowledge

Send your CV and a short note on why this role fits you. You don't have to tick every box. If the project excites you, we want to hear from you.

careers@croptic.ai