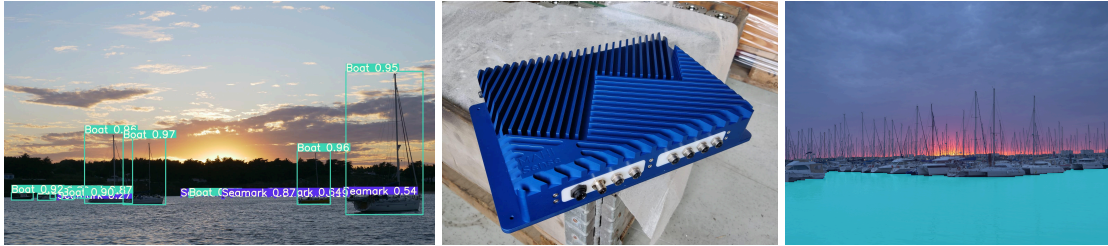# Exciting Opportunity: AI Perception Software Engineer at MAHI!

Are you passionate about cutting-edge AI and ML technologies? Join us at MAHI, a dynamic startup revolutionizing maritime autonomous navigation! We're not just about work; we're about making a real impact and having fun while doing it.

About MAHI At MAHI, we're pioneering the next generation of maritime autonomous navigation technology, and we're growing rapidly due to our recent successes. Our mission is to exceed customer expectations through high-quality products and exceptional support. We're a team of tech enthusiasts, software wizards, tinkerers (yes, our founders have 3D printers at home), and visionary business minds. If you're ready to provide value and truly make a difference, MAHI is the place to be.

Located in the picturesque city of Mechelen, right at the heart of Flanders, MAHI offers a vibrant environment at the crossroads of Antwerp-Brussels and Leuven-Gent.

🤞 What's in it for you?

- A fun, fast-growing, and internationally active company
- Learning opportunities from experienced colleagues
- Competitive salary, fringe benefits and possibility for stock options

🪄 Main Responsibilities (R&D Team)

- Design, implement, and enhance AI & ML algorithms for object identification, classification, pose estimation, and weather identification
- Develop and train deep learning models using real and digital twin data for challenging conditions
- Collaborate with R&D, field engineering, and Integration and Test teams to deploy high-quality software

👩‍💻 Skills Required

- Proficiency in Python, Golang or C++/C
- Familiarity with AI frameworks like PyTorch, TensorRT, TensorFlow, Keras...
- Fluent in English

🎯 Bonus Points

- Experience with Linux-based OS
- Knowledge of cloud platforms (AWS or GCP)
- Proficiency with Docker, Git, Yocto, MLOps
- Experience with sensors such as cameras, radars, and lidars
- Understanding of camera processing with Gstreamer
- Fluent in Dutch

🔎 **Details:** Join our team at MAHI to work on the cutting-edge of AI technology! As an AI Perception Software Engineer, you will have the opportunity to engage with state-of-the-art AI models, including multi-headed neural networks. You'll be challenged to optimize AI performance on hardware with finite resources, pushing the boundaries of what's possible.

Your role will also involve delving into anomaly detection, making a tangible impact on the safety and efficiency of maritime autonomous systems. If you're a creative thinker, a problem solver, and someone who enjoys the dynamic world of AI, MAHI is the perfect place to thrive.

📎 **Application** Ready to join the MAHI team? Please send your application to jobs@mahi.be with the following:

- Confirmation of your willingness to work onsite in Mechelen, Belgium
- Link to your GitHub or personal website
- Briefly describe the architecture of a custom AI/ML model you've implemented, its inspiration, training data, and duration.
- Your CV/Resume
- Share how you heard about us and your expectations for the job
- Indicate your preferred starting date

We value diverse perspectives and encourage candidates from all backgrounds to apply. Thank you for considering MAHI as your next adventure!