

About the job

Your mission

As a Software Engineer in our Autonomy & Perception division, you will:

- Develop, optimize, and deploy real-time algorithms for multi-object tracking, sensor fusion, and state estimation.
- Integrate data from multiple sources (camera, radar, lidar, GNSS, IMU) to enable precise localization and robust situational awareness.
- Build resilient tracking systems that operate reliably in challenging environments (e.g., contested, GPS-denied, degraded conditions).
- Collaborate with experts in robotics, embedded systems, perception, and autonomy to deliver end-to-end solutions.
- $\bullet \ \ Work\ across\ prototypes,\ fielded\ systems,\ and\ production-grade\ architectures.$

Your profile

You have strong expertise in at least some of these areas:

- Multi-Object Tracking (Kalman Filter, Extended Kalman, Unscented Kalman, Particle Filter, Probabilistic Data Association)
- Sensor Fusion (Radar, Lidar, Camera, GNSS, IMU) for environment modeling and localization
- State Estimation in real-time or embedded systems
- Software Development: Strong C++ (11/14/17) skills; Python experience is a plus
- Mathematical Modeling: Linear algebra, probability, Bayesian methods, optimization
- Real-World Systems: Experience with UAVs, autonomous vehicles, robotics, or similar perception-driven applications
- Familiarity with frameworks like ROS, RTMaps, DDS, or embedded environments is a bonus

Why us?

Join us to shape the future of Al-driven defense!

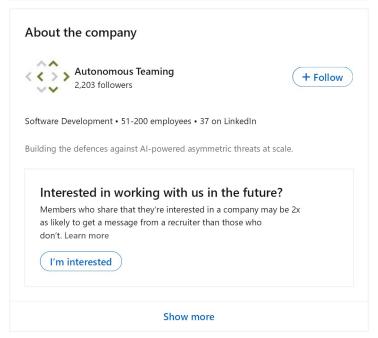
Do you feel that you fit the description, but don't think you fulfill all the criteria 100%? Apply to us anyway.

We look forward to receiving your detailed application via our online form.

The world is changing. Exponential technologies are enabling new types of security threats. We are committed to staying ahead by building nimble, scalable, and cost-effective defences. We are looking for passionate developers who are eager to create exceptional products, safeguard our freedom, and strengthen the resilience of democracies.

About Us We are a defence-tech start-up specializing in machine vision solutions. If you have a passion for cutting-edge innovation, and drive to use your skills to create next generation solutions, this is an opportunity for you! What we do: We are developing solutions that enable computers and sensors to collaborate as teams, working together to address emerging security challenges. Our primary mission is to defend against Al-powered asymmetric threats at scale, such as drone swarms and other UXVs. Who we are: Based in Munich, Berlin and Bordeaux/Toulouse we are rapidly expanding across Europe with plans to open more office hubs soon. We embrace a hybrid work culture - valuing the collaborations that happens in the office, while also empowering our team members to work remotely with responsibility and autonomy. See less ^ Set alert for similar jobs Software Engineer, Munich, Bavaria, Germany **Unlock hiring insights on Autonomous Teaming**

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Embedded Linux Software Engineer (M/W/D) 🤡

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W2-Professur – Software **Requirements Engineering**

(m/w/d)

TH Aschaffenburg University of **Applied Sciences**

Aschaffenburg, Bavaria, Germany (On-site)



1 school alum works here



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Developer

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Actively reviewing applicants

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