

Algorithm Developer for Radar Perception

Your tasks

In Budapest Application Development Center of Continental, we create next generation automotive software solutions which make automated driving safe and affordable. We work towards **Vision Zero**, a goal to eliminate fatal accidents happening every day on the world's roads. We are looking for creative minds who are passionate to shape the future of automated driving by delivering software solutions for ADAS customer projects.

The complexity of **future driver assistance systems** grows continuously. The Vision 0 (injuries & accidents) and the autonomous mobility are strong drivers to develop this field. The development of modern algorithms for cutting-edge components (Radar, Lidar, Camera, Ultrasonic and Central Processing Unit) is one of the key area to ensure a comprehensive understanding of the environment around the vehicles

YOUR TASK

In your position as an **Algorithm Developer**, you are responsible for the concept development, implementation and verification of **algorithms** describing the **environmental model**, in which the vehicle drives and verification of algorithms for **radar object classification** as part of our products for a variety of international OEMs. In this position you align and participate actively to the design of the newest ADAS components to fit the needs of our customers.

Your domain of responsibility and activity covers additionally:

- **Algorithm development** (classical and AI) in the **radar perception stack** (can be any of the following areas: object tracking, object classification using radar information, modelling of the static environment, etc.);
- Creation of all necessary work products along the development process for series **software** from requirements over design, planning and implementation to verification and validation;
- Provide component and feature roadmaps aligned with product strategies & roadmaps for existing and future development;
- Application and compliance with R&D processes and standards within group and assurance of adequate documentation;
- Alignment and interaction with the **internal and external customers** and participation in workshops and audits;
- Actively support Demos (incl. vehicle testing), Acquisitions and Quotes (RFI & RFQ) including alignment on requirements;
- Mentoring students (e.g. Master thesis).

#radarmakessense

Your profile



Job ID
REF55314I

Field of work
Information Technology

Location
Budapest

Leadership level
Leading Self

Job flexibility
Hybrid Job

Legal Entity
Continental Autonomous Mobility Hungary Kft.

- University degree (BSc, MSc, PhD) in engineering, mathematics, physics or on a similar field;
- Advanced embedded **C programming**;
- Skills in data processing, **algorithms** modelling (Python or similar)
- Knowledge of **sensorics** in automotive or robotics
- Strong communication skills and experience with customer interfaces, operating confident, reliably and autonomously
- Intercultural awareness, fluent in **English**
- Strong team player with ability to perform in projects running **agile methodology** (sprints, product demos etc.)

Nice to have

- Advantage is experience from regulatory or functional safety products;
- Skills in Machine learning and Deep learning techniques;
- **Radar** background is a huge plus.

Our offer

- Participation in exciting, highly innovative projects
- Ability to directly deliver software into real products
- Access to cutting-edge technologies and to one of Europe's largest in-house GPU clusters
- A friendly, respectful and collaborative work environment that encourages creativity and innovation
- Continuous development with access to numerous trainings, including technical skills, soft skills and language skills
- Personal career development and a challenging role with end-to-end responsibility
- Opportunity to see your ideas turn into reality with our test vehicles
- Competitive compensation and a wide range of benefits, including:
 - Bonus system
 - Annual flexible benefit (Cafeteria)
 - Private health insurance
 - Employee discounts
 - Sport pass support
- Ability to directly deliver software into real, innovative products
- Easily accessible office location in downtown Budapest (near Kálvin square)

Ready to drive with Continental? Take the first step and fill in the online application.

About us

Continental, founded in 1871, is a global technology company specializing in sustainable and connected mobility solutions. With 150 years of experience, we provide safe, efficient, and affordable solutions for vehicles, machines, and transportation. In 2022, we achieved €39.4 billion in sales, employing over 199,000 people across 57 countries. Our portfolio includes automotive safety, brakes, automation, and communication technologies for vehicles.