

Embedded C++ Developer - Safety Projects

Your tasks

In the Budapest Artificial Intelligence Development Centre of Continental, Autonomous Mobility, 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 world-class perception and fusion systems.

Our teams develop software solutions for automated parking and safety systems, processing various automotive sensor data and providing a robust, scalable output to driving function modules.

Your Tasks

- Implementation of a scalable, maintainable, cross-platform capable embedded software solution
- Deployment of trained neural networks into embedded environment
- Implementation and optimization of neural network post-processing algorithms for multiple hardware platforms
- Software documentation and verification by means of black-box and white-box testing
- Collaboration with our international development teams
- Transformation of customer and project requirements into deep learning component designs.

Your Profile

- Strong knowledge and hands-on experience in C++ development and unit testing
- Comfortable working in both Linux and Windows environments
- Proven experience in performance optimization for embedded systems
- Practical background in designing and implementing scalable software architectures
- Passionate about and experienced with agile methodologies such as Scrum and Kanban
- Excellent English communication skills, both written and spoken.

Nice to have



Job ID
REF81642G

Field of work
Information Technology

Location
Debrecen

Leadership level
Leading Self

Job flexibility
Hybrid Job

Legal Entity
Continental Autonomous Mobility Hungary Kft.

- Experience with linear algebra computing (matrices, tensors)
- ARM knowledge
- Unit testing and testing frameworks
- Willingness to travel
- Familiar with the following technology stack:
 - Docker, CMake, Jenkins (user-level)
 - Eigen, Python, Git, GitHub, Jira, Agile, Confluence
 - GTest, Doxygen, PlantUML.

Your profile

- University degree (BSc, MSc, PhD) in a technical area: Computer Science, Mechatronics, Electronics, Electrical Engineering or related
- Experience working according to SAFe (scaled agile framework)
- Good programming skills in C++
- Good command of the English language
- Collaborative, open-minded, team player attitude.

Our offer

- Competitive compensation and a wide range of benefits, including:
 - Bonus system
 - Annual flexible benefit (Cafeteria)
 - Private health insurance
 - Employee discounts
 - Sport pass support
- 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
- Ability to directly deliver software into real, innovative products
- Easily accessible office location.

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

About us

Continental develops pioneering technologies and services for sustainable and connected mobility of people and their goods. Founded in 1871, the technology company offers safe, efficient, intelligent and affordable solutions for vehicles, machines, traffic and transportation. In 2024, Continental generated preliminary sales of €39.7 billion and currently employs around 190,000 people in 55 countries and markets.