Job Title: Artificial Intelligence Engineer
Salary: Competitive based on experience
Hours: Full time
Role Type: Contract or Permanent

Start Date: Immediately vacant.
Location: Silverstone
Reports to: Motorsports Director

The Revival of a Legend:
Lola Cars, one of the world's iconic motorsport brands, and the most successful manufacturer of customer racing cars of all time. Since 1958, Lola has been building cars destined to win on the track;
Lola Cars a legendary name in motorsport has cultivated a brand synonymous with engineering excellence, iconic design, and racing success. After a period of dormancy, under new ownership, Lola has returned to the forefront of international motorsport, continuing its legacy of innovation and engineering excellence.
Lola is committed to pushing innovation in engineering and as part of this commitment, Lola intends to release the IP back into the ecosystems and develop products that have far reaching impacts beyond motorsports. Our mission is to redefine motorsport performance by integrating cutting-edge AI technologies into vehicle dynamics, race strategies, and driver safety systems.

The Opportunity:
We are seeking a passionate and skilled AI Engineer to join the small yet growing, dedicated and talented team at Lola.
This role focuses on leveraging artificial intelligence solutions to enhance vehicle performance, optimize race strategies, and advance driver safety in the high-speed world of motorsports. The ideal candidate will have a strong background in AI and machine learning, with a keen interest in applying these technologies to revolutionize racing.

Role Responsibilities:

- Develop and implement AI models to analyse real-time and historical race data, improving vehicle performance and strategic decision-making.
- Collaborate with engineering teams to integrate AI-driven solutions into vehicle design and race operations.
- Utilize machine learning algorithms to predict race outcomes, optimize pit stop strategies, and enhance driver performance.
- Stay abreast of the latest advancements in AI and motorsport technologies, applying innovative solutions to maintain Lola's competitive edge.
- Create and maintain comprehensive documentation for AI models, data pipelines, and system integrations.

- Conduct rigorous testing and validation of AI systems to ensure reliability and effectiveness in race conditions.
- Contribute to wider application of AI across the business

Technical Skills required:

- Bachelor's or Master's degree in Computer Science, Artificial Intelligence, Machine Learning, or a related field.
- Proven experience in developing and deploying AI models, preferably within high-performance or real-time environments.
- Proficiency in programming languages such as Python, R, or Java.
- Experience with machine learning frameworks and libraries (e.g., TensorFlow, PyTorch, Scikit-learn).
- Strong understanding of data analysis, statistical methods, and predictive modelling.
- Excellent problem-solving skills and attention to detail.
- Effective communication and collaboration abilities.

Preferred Skills (desirable but not essential):

- Familiarity with race strategy optimization and vehicle dynamics.
- Knowledge of reinforcement learning and its applications in decision-making processes.
- Experience with data visualization tools and techniques.
- Understanding of sensor data integration and real-time data processing.

Personal Skills required:

- Fluent English both written and spoken
- Self-motivated and proactive in the working environment
- Ability to work both independently and integrate and work collaboratively at every level within the organisation.
- An analytical mindset with the ability to interpret data and trends.
- Complete tasks with minimal guidance and work under pressure to meet deadlines.
- Well organised with the ability to clearly prioritise tasks and deliver to agreed deadlines, making sound decisions based on good judgement and seeking input as required.
- Good communication within the team
- Confidence and knowledge to raise issues and develop solutions.
- Proud to play a part and contribute best of ability to the project

- Excellent organisational skills working with relevant departments and key stakeholders to achieve successful designs, often working to tight deadlines.
- Prepared to work as required to get the job finished within deadlines, not to work by the clock.
- Comfortable of operating in a dynamic working environment.
- Strong attention to and enjoys the detail.
- Methodical and measured in approach.
- Builds rapport with team members.
- Initiative, to find ways to achieve/deliver what is required.

Qualifications & Experience required:

- Bachelor's or Master's degree in Computer Science, Artificial Intelligence, Machine Learning, or a related field.
- Experience in the automotive or motorsports industry preferred
- A profound interest, understanding and experience of engineering/automotive/ motorsport industry preferred.
- Minimum 3 years' experience in developing and deploying AI models, preferably within high-performance or real-time environments preferred

Role:

- Competitive reward package.
- Opportunity to work with a legendary brand at the cutting edge of motorsport innovation.
- Collaborative and dynamic work environment.
- Professional development opportunities and support for continued learning.
- Flexible working arrangements (remote, hybrid, or in-office).
- Some International travel maybe required

How to Apply:

Please submit your CV, a cover letter to careers@lola-cars.co.uk detailing your experience and interest in the role, and any relevant project or portfolio links. Please send details asap for review.

Join us at Lola Cars and contribute to shaping the future of motorsport through AI-driven innovation!