Senior R&D Engineer

Job Overview

As a Senior R&D Engineer, you are a domain expert responsible for driving breakthrough technical solutions in photogrammetry, computer vision, and machine learning. You will take ownership of complex technical challenges - from novel camera calibration routines for complex multi-array systems to state-of-the-art ML-driven meshing and colour science pipelines.

You act as a technical authority, translating high-level business and capture needs into innovative algorithmic solutions while guiding and mentoring junior and mid-level engineers.

The role is a UK based, remote position.

Job Responsibilities

- Architect and implement advanced computational photography, multi-view stereo, and point-cloud/meshing algorithms.
- Research, train, and deploy custom ML architectures tailored for 3D reconstruction, super-resolution, or automated data cleanup.
- Lead development in colour science, radiometric calibration, and camera characterisation across large multi-sensor setups.
- Profile and optimise critical algorithms for low-latency or high-throughput execution (CUDA/GPU performance engineering).
- Provide technical mentorship, establish best practices for code quality, and maintain high research standards across the department.
- Prototype novel capture concepts and evaluate emergent industry hardware/software technologies.

Ideally

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Future Development

- Leading multidisciplinary research projects, directing core architectural decisions, and progressing to Lead R&D Engineer or transitioning into Pipeline Architecture.