COMPUTER VISION ENGINEER

Job Type Full-Time, Permanent

Educational Requirements MSc or PhD in computer vision or related engineering discipline

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Main duties

- Develop and implement algorithms and systems for high-speed and high-accuracy scene reconstruction, segmentation, feature detection, and characterization
- Design, implement, test, and document computer vision solutions for robotics applications control (including pattern recognition, visual servoing, hardware interfacing and user interfaces)
- Develop high performance production ready software and hardware computer vision packages and systems
- Stay up to date with new research and novel findings in the fields of computer vision, perception, sensing, calibration and point cloud applications

Essential skills and experience

- 3+ years of work experience in developing algorithms for computer vision, perception, calibration algorithms
- Extensive experience in Python, C++, C#, OpenCV, PCL and Matlab vision tools
- Proficiency in calculus, linear algebra, probability and statistics
- Deep knowledge of advanced 2D and 3D point cloud data processing and pattern recognition methodologies and algorithms
- Experience in GPU programming and other hardware acceleration methods
- Experience in machine learning algorithms for vision applications, including deep learning.
- Strong problem solving and analytical skills
- Developed and delivered complete software products that meet rigorous functional and safety-critical requirements

Additional skills

- Knowledge and experience in Robotics and/or Applications

Qualified and interested individuals please submit your resumes to HR@maplerobotics.com with the words **Robotics Computer Vision Engineer** typed in the subject line. No phone calls. Thank you in advance for your interest in pursuing a career with MARI.