iGP: Autonomous Car

iGP Module: GPU Accelerated Computer Vision and Artificial Intelligence Algorithms

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There are many applications that require machine vision, image processing and/or artificial intelligence approaches. However, these approaches are very slow to be used in real time applications, especially approaches that use Big Data, obtained by real time distributed sensors.

To address these issues in this project, several image processing and computer vision algorithms will be implemented in C++ and converted to CUDA to be used in real time scenarios.