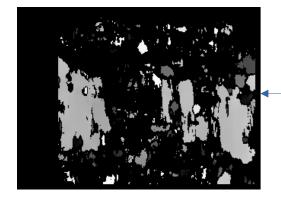# Image Processing for Depth Estimation from Stereo Vision

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(**https://github.com/ddanag/stereo_vision_depth_estimation.git**)

▶ Summary

- Plan – To accelerate median_blur
- Final project – Used median_blur and hist_equalizer to try to improve stereo vision for depth estimation by removing some of the noise and enhancing contrast

▶ What did we learn?

- We got a sense about the L1, L2, L3 library abstraction
- Got more accustomed to the Vitis Flow
- The impact of the inputs on the speed of emulations
- Understood how the functions are accelerated (pragma Pipeline, Dataflow)

▶ Results

Stereo Camera Input

Original

+ Median Blur
+ Histogram Equalization

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