**Ricardo da Silva COMP3020 - Individual Project**

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Speech Recognition With an FPGA and an ARM development board

Speech recognition is the process of translating spoken words into a form that may be understood.

Small dictionary recognition

Voice recognition

Viterbi decoding

Size constraints of the platform

Pre / Post processing options

Compare with software implementations running ON the ARM board

Pre-processing on ARM (FFT etc) -> FPGA (Viterbi decoding / neural networks, etc….).