

**Title: Software to read and measure CT scans and/or MRI in 3D**

Area to be used: Craniofacial hard tissues may be useful for soft tissues too.

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Persons that could join: Computer programmer who can build up softwares from scratch  
School of Computer Science?

Objective: The software is very valuable for measuring craniofacial structures

For development of reference data

To be used in surgery, perform mock surgery

For comparison with abnormalities

The software that we are using now is MIMICs old version. I have applied for grants to update the software but was turned down because was very expensive ~ RM100 000.

The application of this old version of software is very limited.

Brief Methodology: CT scan data are already available from my PhD

Need a very good computer

Need a programmer or somebody who can build up the software

Outcome of the project: A computer software that can do the measurement on the craniofacial structures.