



Calling for Research Assistant

We are looking for ONE candidate that is

- Good in programming and mathematics
- Willing to learn
- Good English
- Discipline and independent

to work on a research project that improves the future network throughput with computer accelerator. The successful candidate will be paid with RM 2,500 for 12 months (renewable to another year). Knowledge in parallel processing and coding theory are *preferable*, **but** not a must. The successful candidate is expected to register for Master of Engineering Science in Lee Kong Chian Faculty of Engineering Science (LKCFES). LKCFES FYP-2 students are encouraged to apply.

Description of the Project

Rateless erasure code is a kind of error-correction code, where the original message can be reconstructed from the fractional encoded message. The emergence of rateless erasure code promises a better network throughput, but constrained by the bottleneck in the corresponding encoding and decoding speed.

The candidate needs to improve the encoding and decoding speed of the rateless erasure code with graphical processing unit (GPU) and to apply it in network communication. Some logistic work may be required.

The team members includes Chong Zan Kai, Prof. Goi Bok Min, Prof. Ewe Hong Tat, Dr. Lai An Chow and Yap Wun She.

The interested candidates should send their resumes to **Chong Zan Kai** chongzk@utar.edu.my.