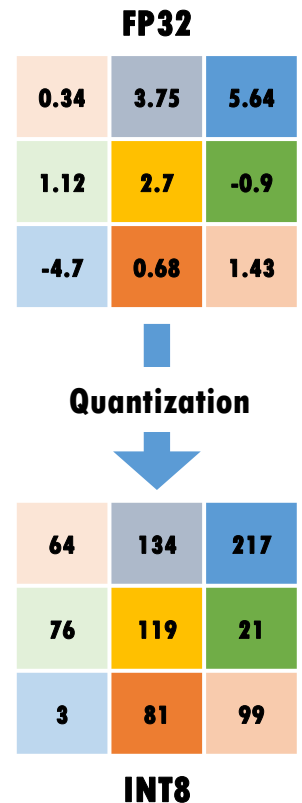


학부생 연구기회 프로그램 (UROP) 공고

◆ 담당교수 : Bernhard Egger	◆ 연구실명 : CSAP
◆ UROP 연구 과제명 : Developing User-Defined Operations for DNN Quantization	
◆ 모집대상 : 2~3명	
◆ 모집기간 : ~ 2021년 12월 말	

The goal of this project is to implement and evaluate user-defined operations for quantization of the neural networks. Quantization is one method to reduce computation and data transfer latencies for the trade-off with prediction accuracy. Quantization can be done with various data types, few of them are not implemented in well-known framework and libraries.

Interested students are expected to have completed the courses of Data Structures and Algorithms, and have some experience with C++ and Python programming for this project. Having completed system programming course and some background knowledge about deep neural networks will be extremely useful tackling the task at hand.



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