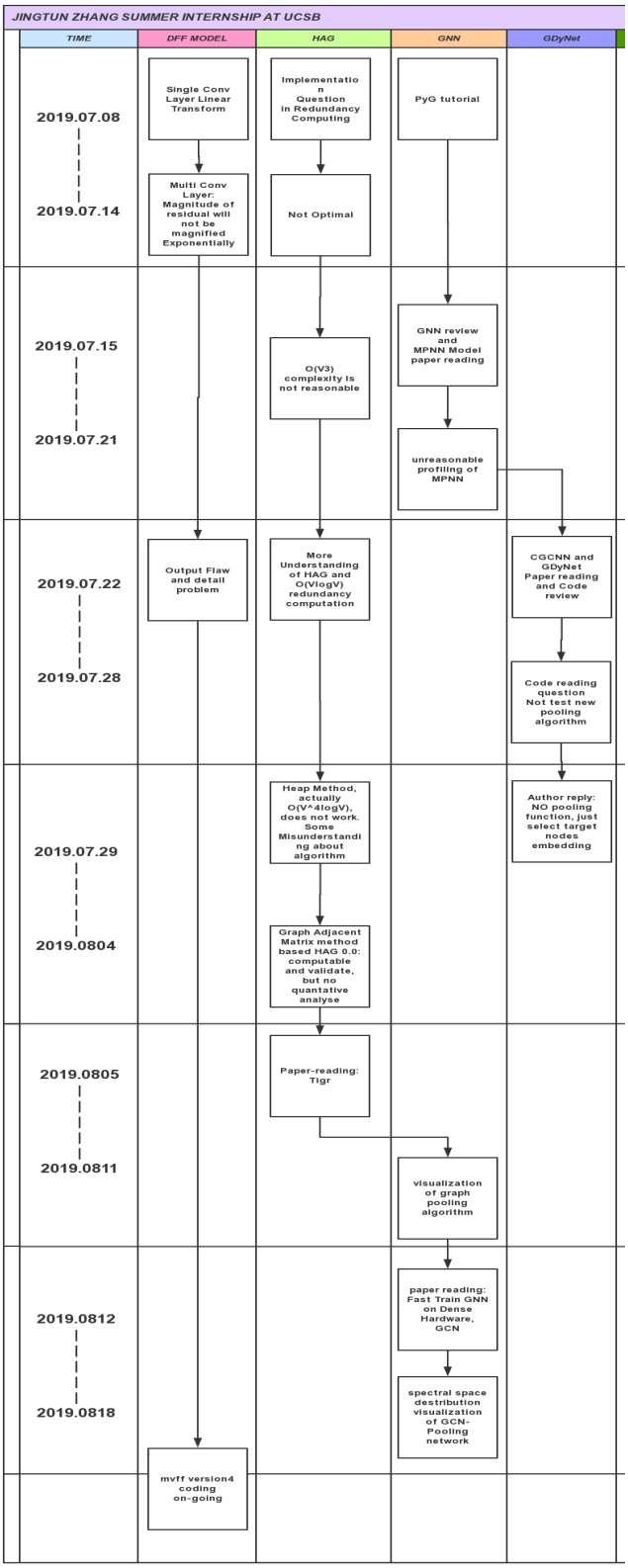
Weekly Report 2019.09.09-2019.09.15

Jingtun ZHANG

WHERE WE ARE:



JINGTUN ZHANG SUMMER INTERNSHIP AT UCSB

TIME	DFF MODEL	HAG	GNN	GDyNet	Quantum
2019.08.19 – 2019.08.25	Coding and Debugging of MVFF-ObjectDetection-Version3 → Paper-reading: DMC-Net MVFF-Version4 in coding				
2019.08.26 – 2019.09.01	MVFF-Version3 result: MAP@0.5 on 2 gpu 3 epoch: 0.6163, modification of Version3 is running now → Residual getting from Data set for preparation MVFF-Version4				
2019.09.02 – 2019.09.08	MVFF-Version4 in coding → Version4-without optical flow guidence: MAP@5 = 0.5091 → Modified Version3 with Pooling-Version2 res-connection: MAP@5 = 0.5984 → Optical flow extracting				Quantum Programming reading and QCEngine program learnning → Paper review of A Modern Survey of Quantum Programming Languages and Frameworks
2019.09.09 – 2019.09.15	MVFF-Version3 Final MAP@5 = 0.6225 → TLV1 optical flow extraction: too slow to use, Try DFF-Flownet optical flow extraction just for comparation with motion vector → MVOF Step-MAP@5 Curve				Textbook Reading

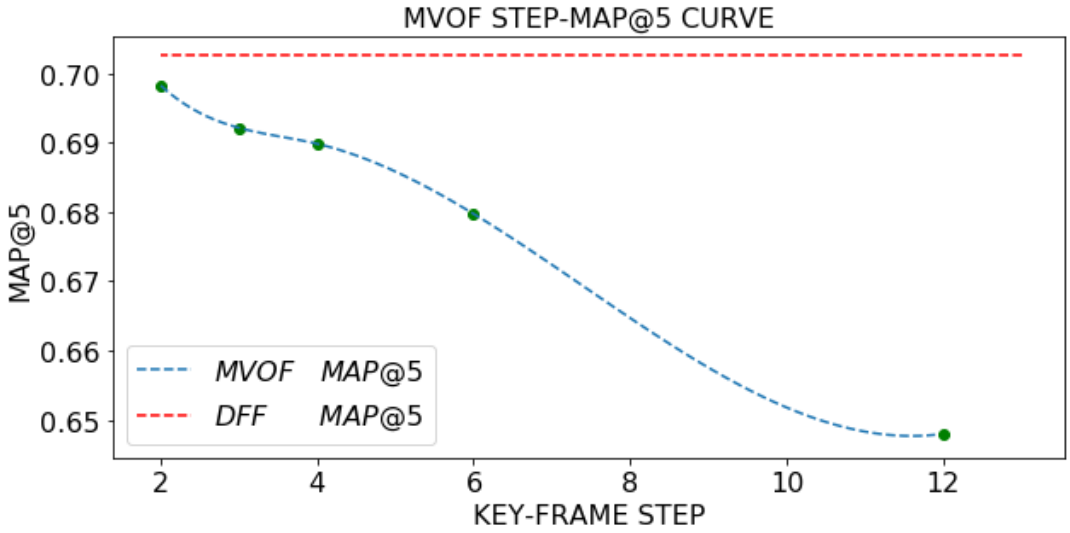
Work and Progress

2. 😥 Result of Final Modified MVFF-Version3: MAP@5 = 0.6225, just approximate MVFF-Version2 with residual bind.

3. 🛠 : Data Preparation for V4: extracting TLV1-flow from dataset: Too slow to use, replaced by DFF-FlowNet flow extraction: Just for comparation with motion vector: DFF in training now

4. 😕 : MVOF Step-MAP@5 Curve:

STEP	2	3	4	6	12
MAP@5	0.6982	0.6921	0.6898	0.6797	0.648



5. 🕮 Learnning of Quantum Programming: Reading 《Programming Quantum Computers: Essential Algorithms and Code Samples》 and learnning QCEngine program

   Reading Note