

1 User Request

Job Configuration

Training Data

Requirement & Objective

6 System Output

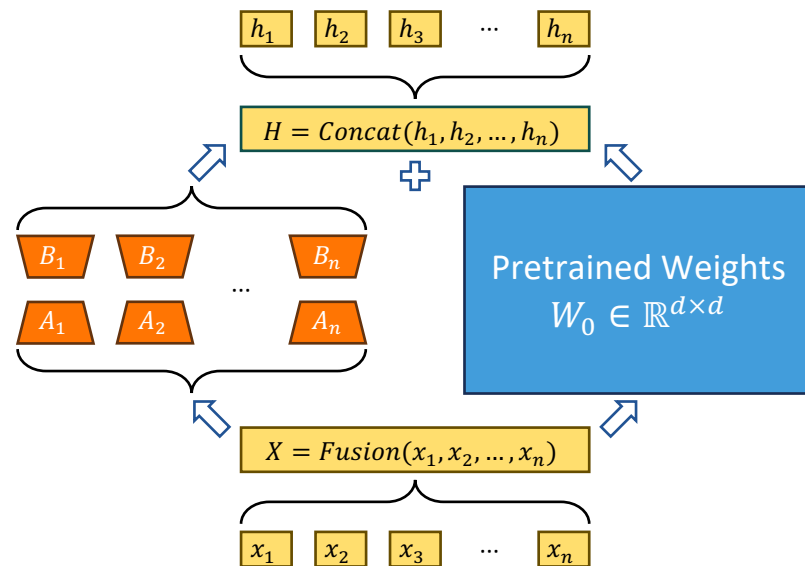
Target LoRA Modules

ASPEN

2 Candidate Jobs

Job 1	It	was	the	best	way	to	deal	with	that
Job 2	Soft	rain	falls	on	town	at	dusk		
.....									
Job n	word	word	word	word	word	word	word	word	

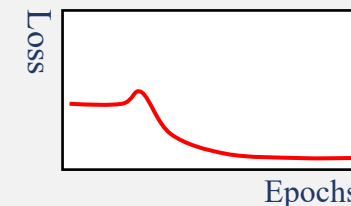
5 Multi-LoRA Trainer



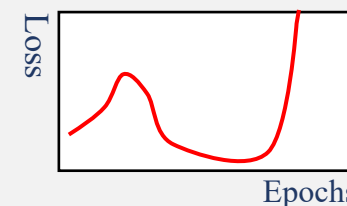
Forward Pass of Multi-LoRA Approach

3 Profiler

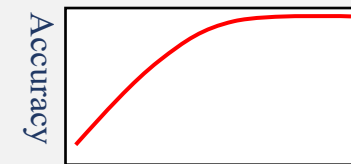
Resource usage and Early stopping modeling



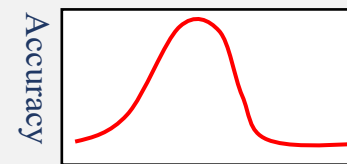
Normal Loss curve



Abnormal loss curve



Normal Accuracy curve



Abnormal Accuracy curve

4 Scheduler

Selected Jobs

Job1

Job2

Job 1

Job 2



Schedule Jobs by Chosen Strategy

Strategy1:FIFO/Priority

OR

Strategy2:MinPad

OR

Strategy3: Adaptive

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