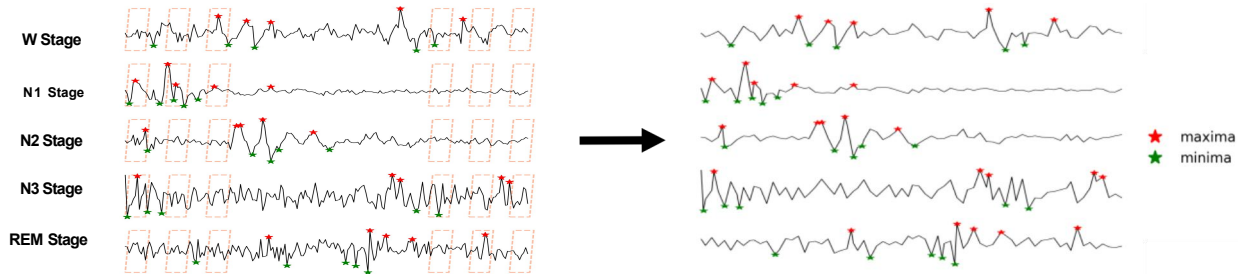


Stage I : Extreme Point Down sampling



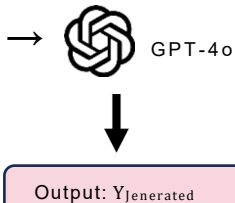
Stage II : LLM data augmentation

Simplified Prompt Example

Input: Y_{prefix} + label S

Task: Generate the last 40 signal points

Constraint: Signal voltage range [-200, 200]



Stage III : Data filtering

