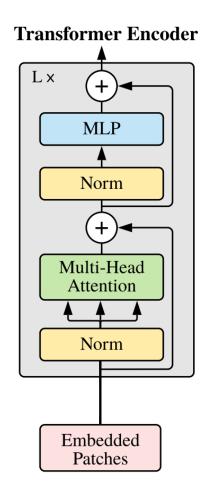
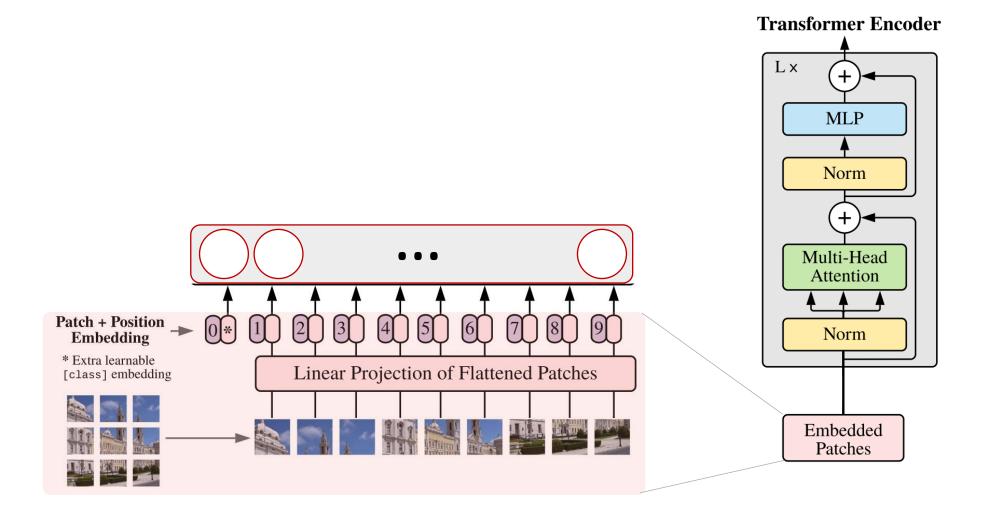
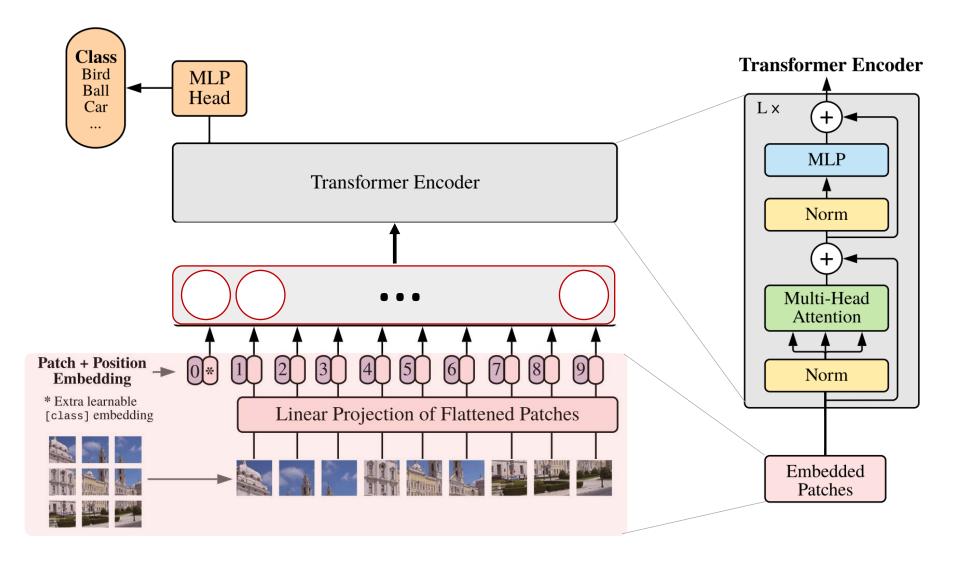
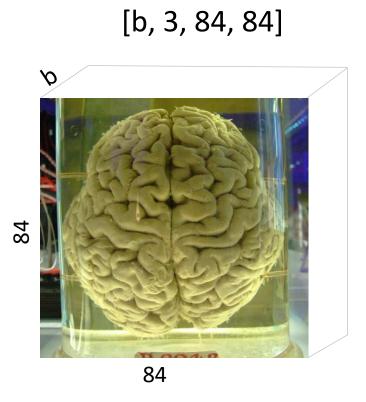
Arman Afrasiyabi PHD Student at Université Laval



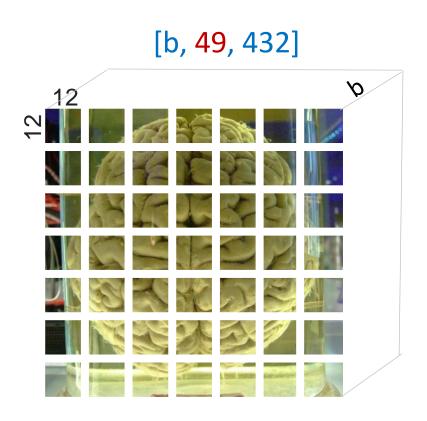




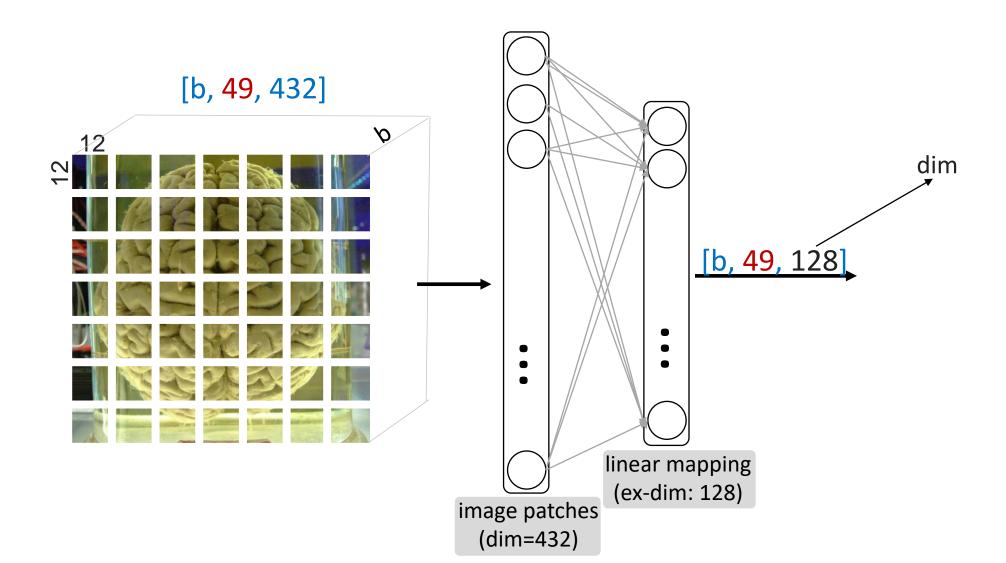
# Input shape



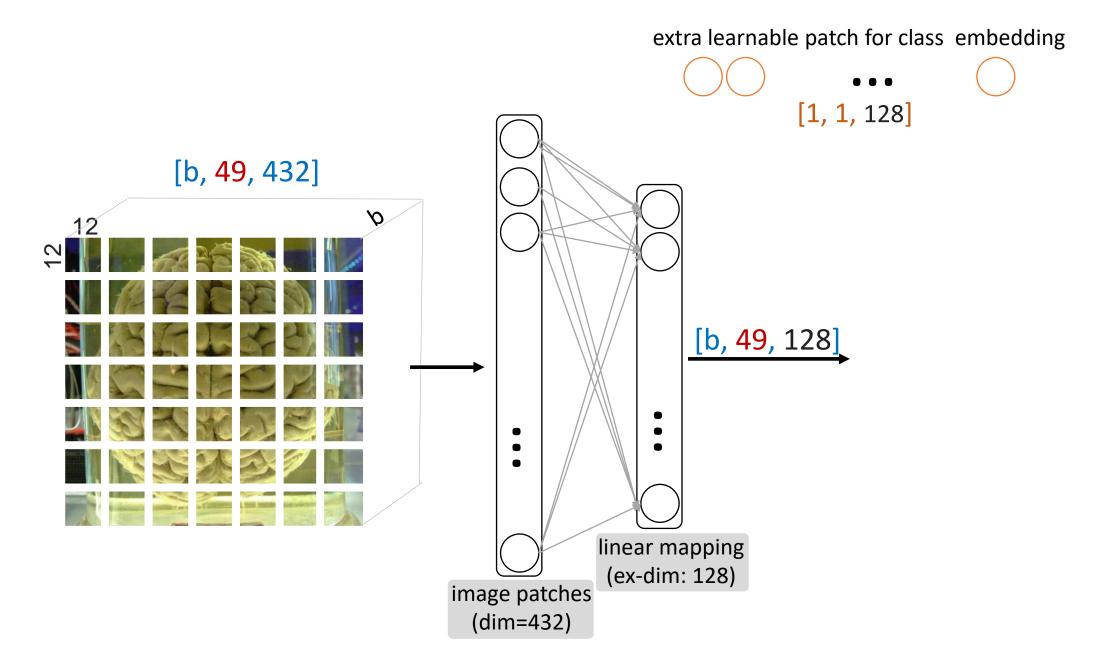
# Image to Patches



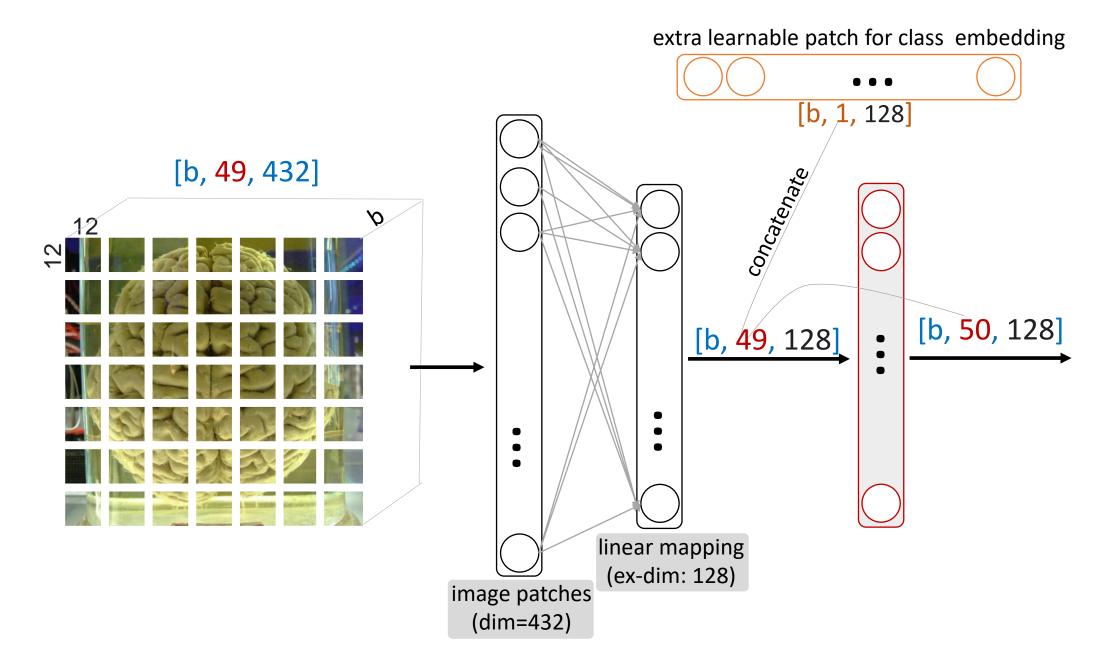
### Patch to Token



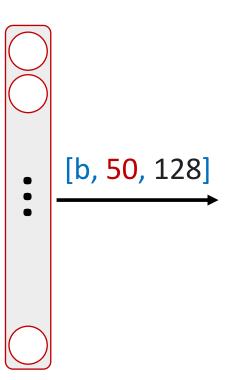
#### Concat. learnable Class Token



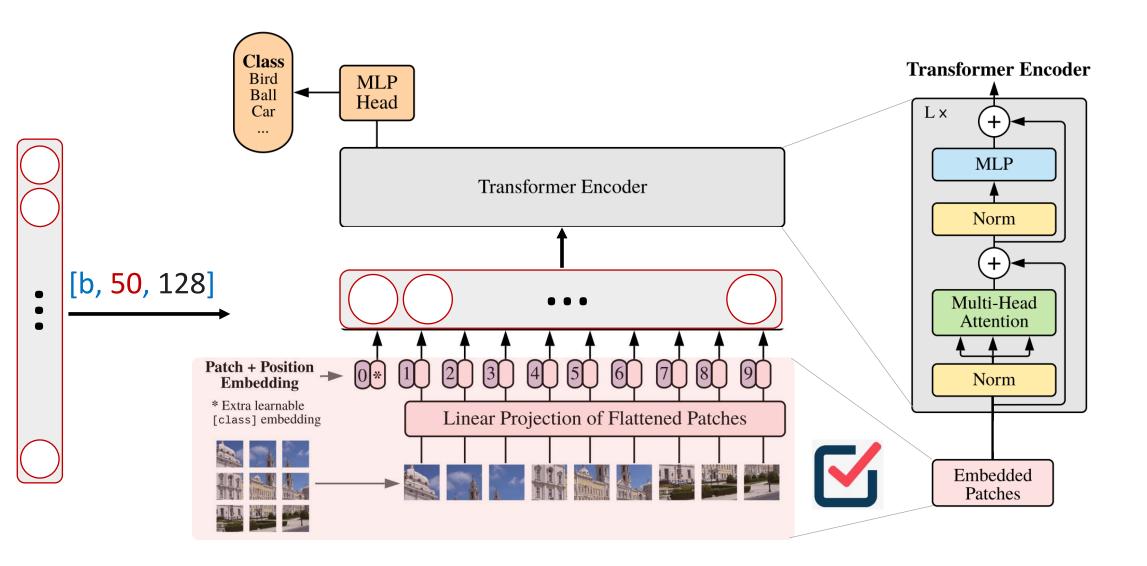
#### Concat. learnable Class Token



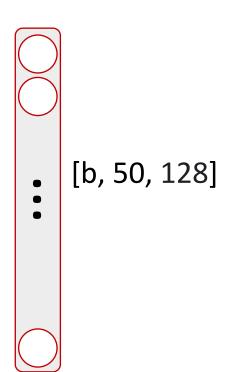
## Patch embedding



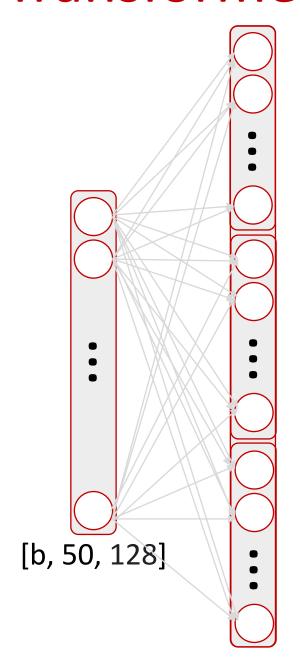
### Big picture



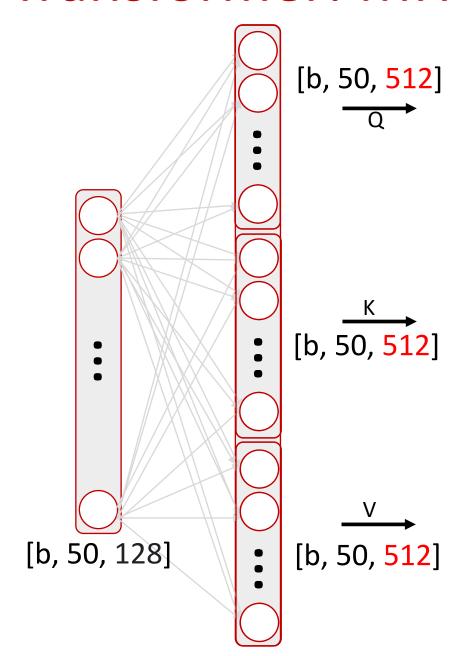
### Transformer: MH-Attension

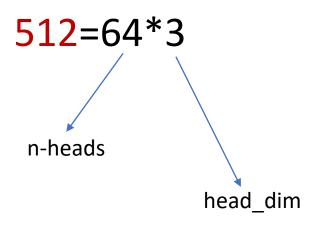


### **Transformer: MH-Attention**

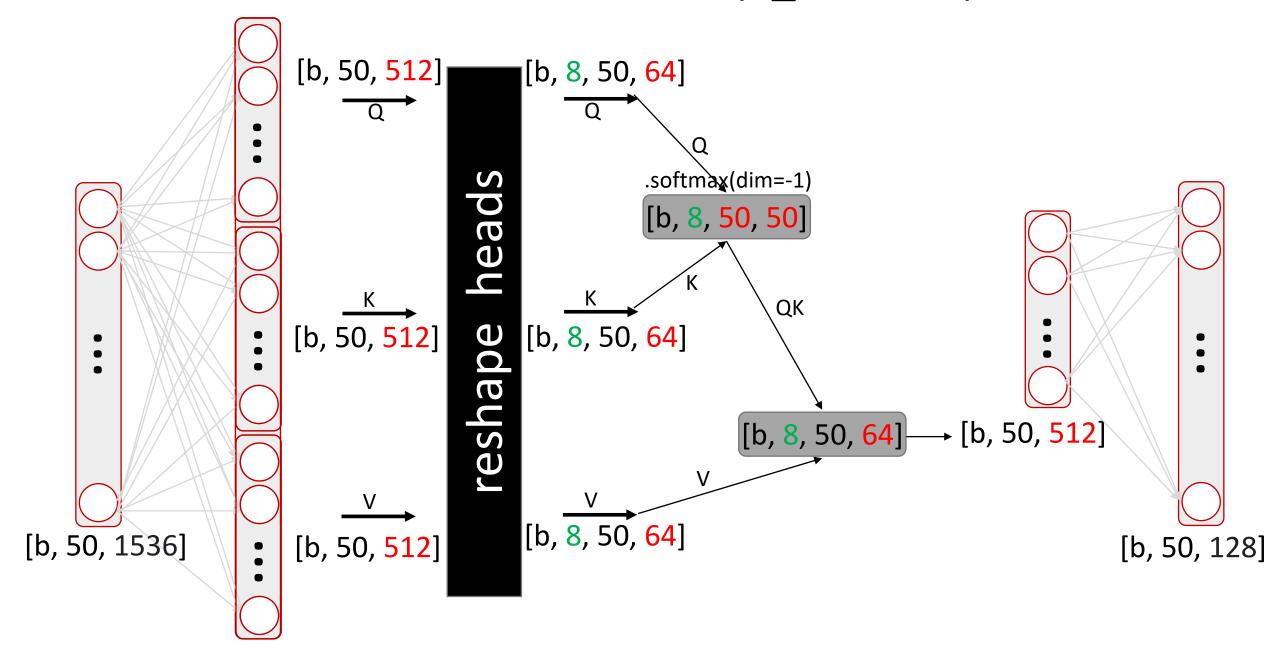


#### Transformer: MH-Attention

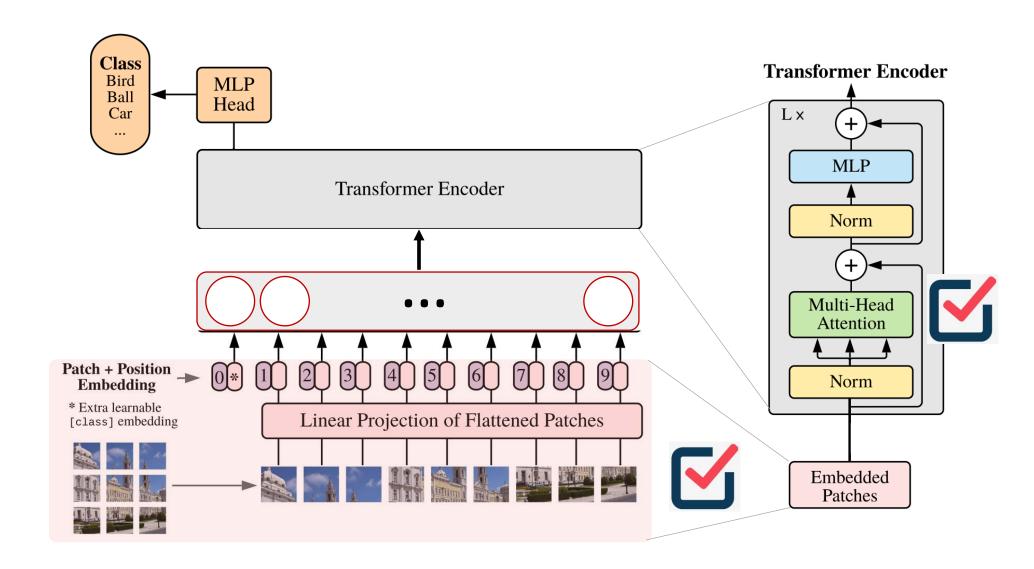




### Transformer: MH-Attention (n\_head = 8)



## Big picture



#### Transformer: MLP

