

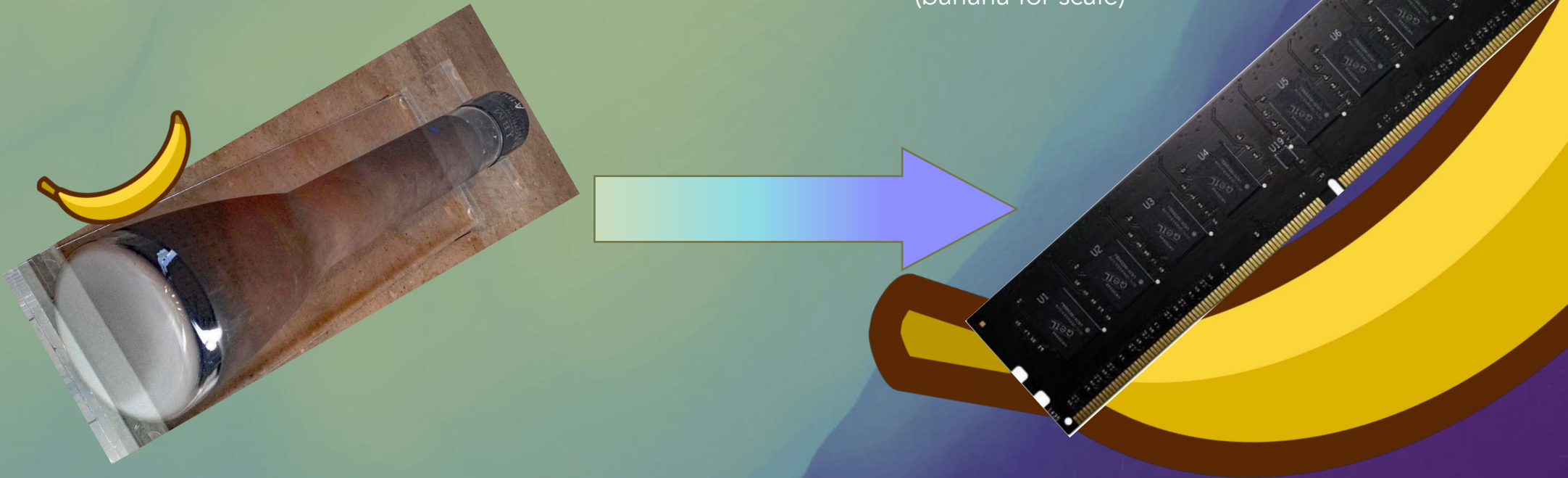


# Computer system architecture

by Danylo Fetisov,  
IS-83

# From tubes to transistors

(banana for scale)



From using a Williams tube as a memory module, to multi-layered PCBs with millions of transistors on them it's clear that technology does not stand still

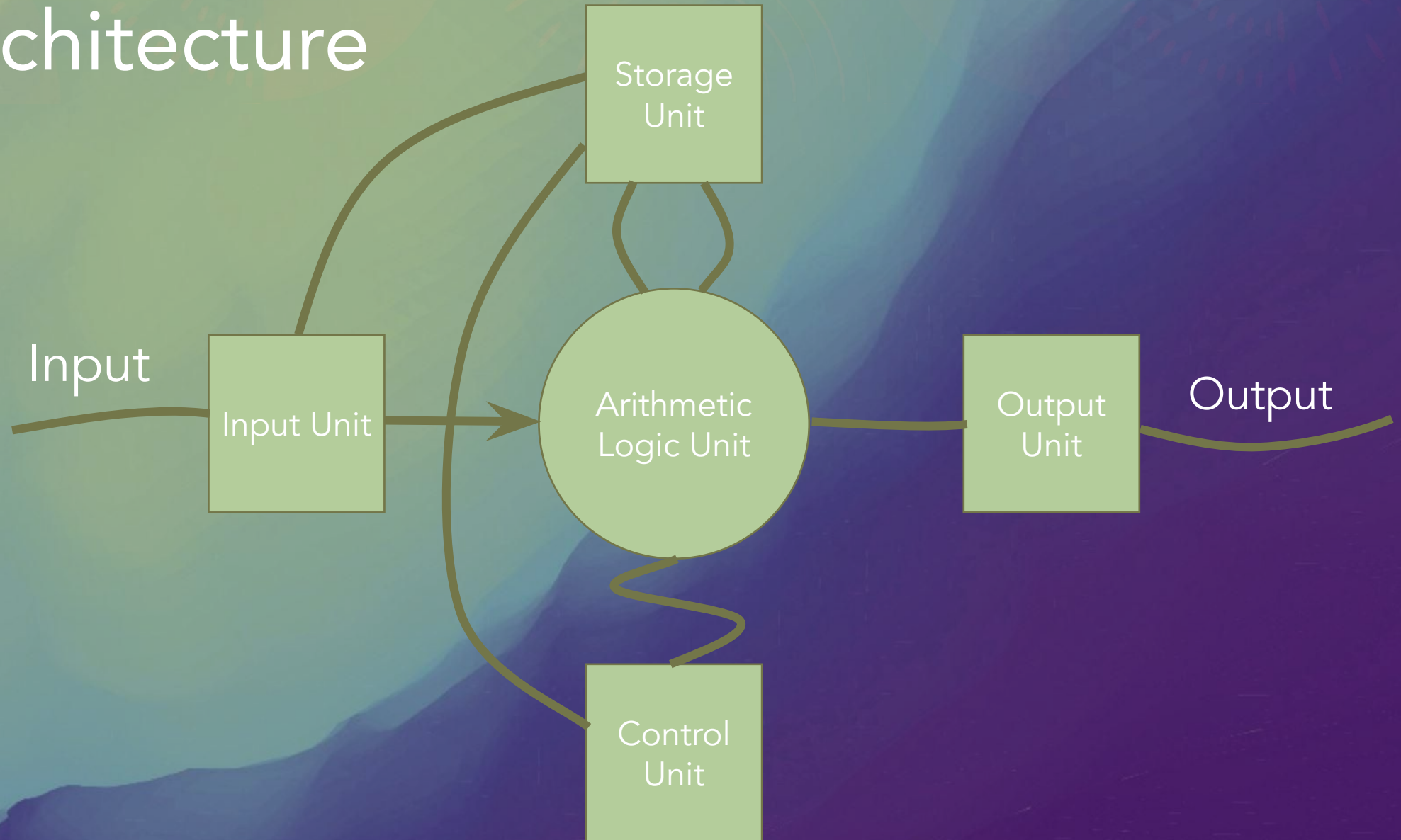


# Applications of a Computer

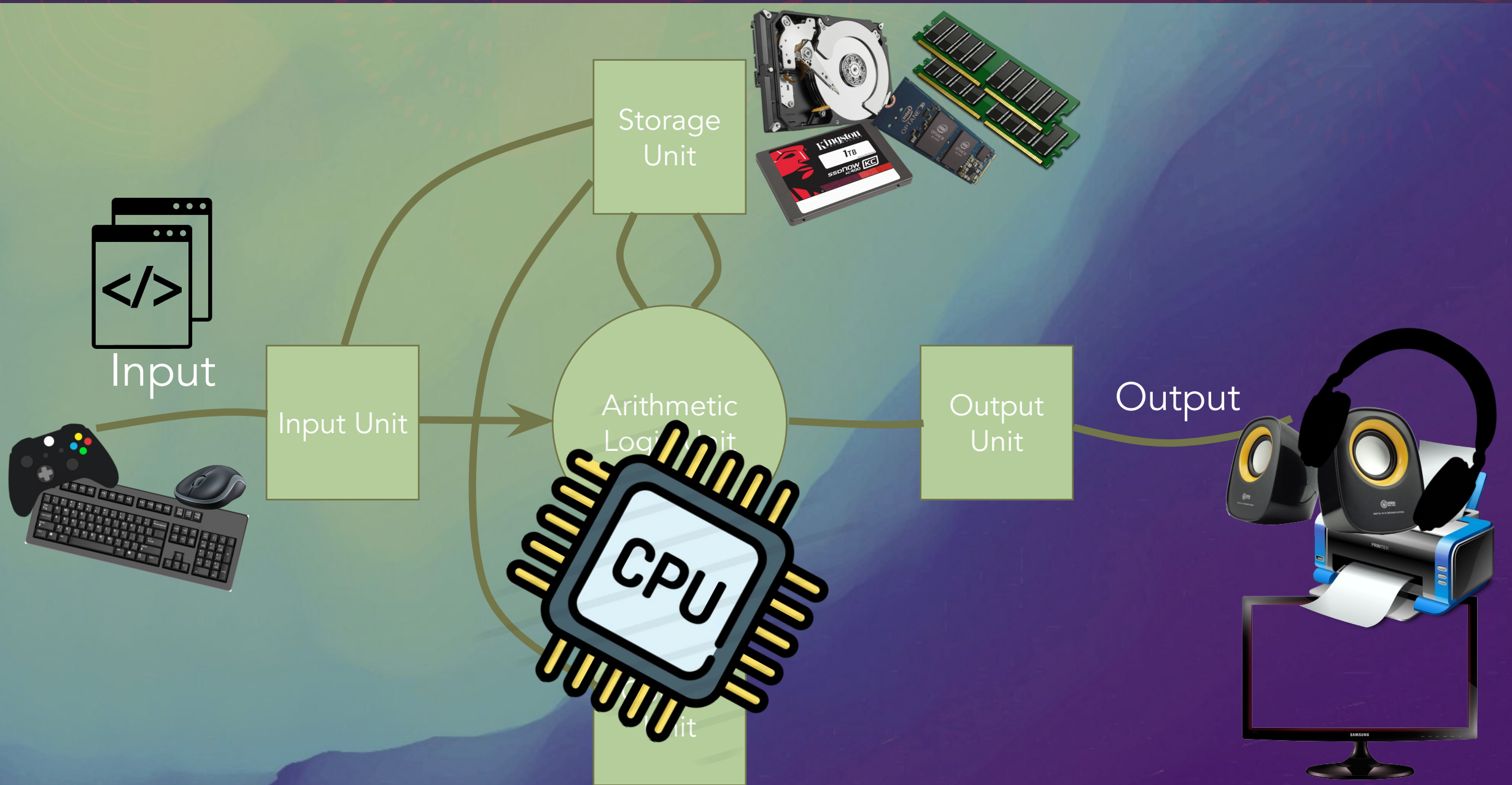


Apart from a usual 'computer' that comes to mind first, there are so-called embedded computer that can hide in any of your home appliances or other things

# PC architecture







# Additional devices



Graphics



# Additional devices

- ❖ Graphics cards
- ❖ Network adapters
- ❖ USB and SATA extensions via PCI-Express
- ❖ Other task-specific extensions





Thanks for your attention!