Fundamentals of computer systems

The Von Nuemann Architecture

A diagram of a cpu

Description automatically generated

Building a computer from the ground up:

Digital devices are based on a set of chips designed to store and process data. These are called logic gates. Logic gates allows us to process bits.

Logic gates can be combined to build circuits (chips) with different functionality:

* Addition
* Multiplication
* Memory cells
* Etc…

We call these functional units.