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- To understand how computer systems are organized and what tradeoffs are made in the design of these systems
  - Instruction Set Architecture, Processor Microarchitecture, Systems Architecture (Cache, I/O)
- Things you will be learning
  - How computers work?
  - How to analyze their performance ?
  - Issues affecting the design of modern processors?
- Why learn this stuff?
  - You want to design a state-of-the-art system
  - You want to build software people use
  - · You need to make a purchasing decision or offer "expert" advise











