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Introduce you to the area
of computer architecture.
2. Provide various
perspectives on the
origins of computers, pre
1900 and post 1900, as
well as on the computing
trajectory over two
centuries, the 20 th and
the 21st, with a special
focus on the computer
architecture angle.
3.15-346: Seminar in
Perspectives in Computer
ArchitectureA general
purpose computer in
which you want to keep
on changing the program
that you run, you would
probably need the full,
real Von Neumann
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big between these two
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Perspective examines
computer architecture,
computability theory, and
the history of computers
from the perspective of
one instruction set
computing - a novel
approach in which the
computer supports only
one, simple
instruction.Computer
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From early RISC to CMPs –
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...From early RISC to CMPs
– Perspectives on
Computer ...Two days
later he showed up with

computer-drawn sectional perspective, its surfaces manipulated to appear as if they were drawn by hand. It was quite good for a first-year student, and gave me hope that, no matter how you draw, the ability to evoke the possibilities of architecture in representation is alive and well.A Perspective on Perspective | Architect MagazineComputer architecture courses spend considerable time describing the nuances of designing a high performance memory system. They discuss such choices as write through vs. write back, direct mapped vs. set associative, cache sizing, indexing, etc.A Programmer's Perspective - Carnegie Mellon UniversityComputer Architecture is the design of the abstraction layers Algorithm Register-Transfer Level (RTL) Application Instruction Set Architecture (ISA) Operating System/Virtual Machine Microarchitecture Devices Programming Language Circuits Physics Original domain of the computer architect ('50s-'80s) Domain of recent computer architecture ('90s)Computer Architecture: A Historical PerspectiveComputer Architecture : A Programmer's Perspective Abhishek Somani, Debdeep Mukhopadhyay Mentor Graphics, IIT Kharagpur September 9, 2016 Abhishek, Debdeep (IIT Kgp) Comp. Architecture September 9, 2016 1 / 96Computer Architecture : A Programmer's PerspectiveComputer Architecture: a Software

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