

# Mechanical CAD

Cyrus Bazeghi  
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# Mechanical CAD

*“Computer aided Design”*

- Communication Mechanical Ideas to Someone else



# What is CAD?

Mechanical — autocad, Solidworks, Corel draw

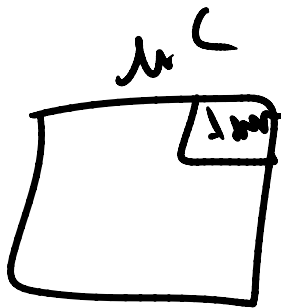
Electrical — OrCAD, Eagle, circuit drawing

Digital — Xilinx ISE, Altera Quartus II

Software — UML — case tools

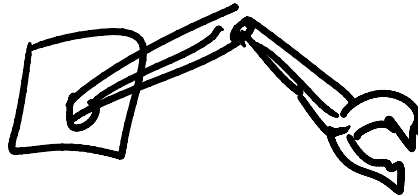
Labview

Math Lab simulation



# What is CAE? engineering

Mechanical - FEA - Finite element analysis



Electronic - psprce, circuit simulators  
auto routers, logic simulators  
waveform viewers

Software correctness, LINT

testing - code coverage  
verification



# What is CAM?

= manufacturing

Mechanical - CNC mill

SLA printer

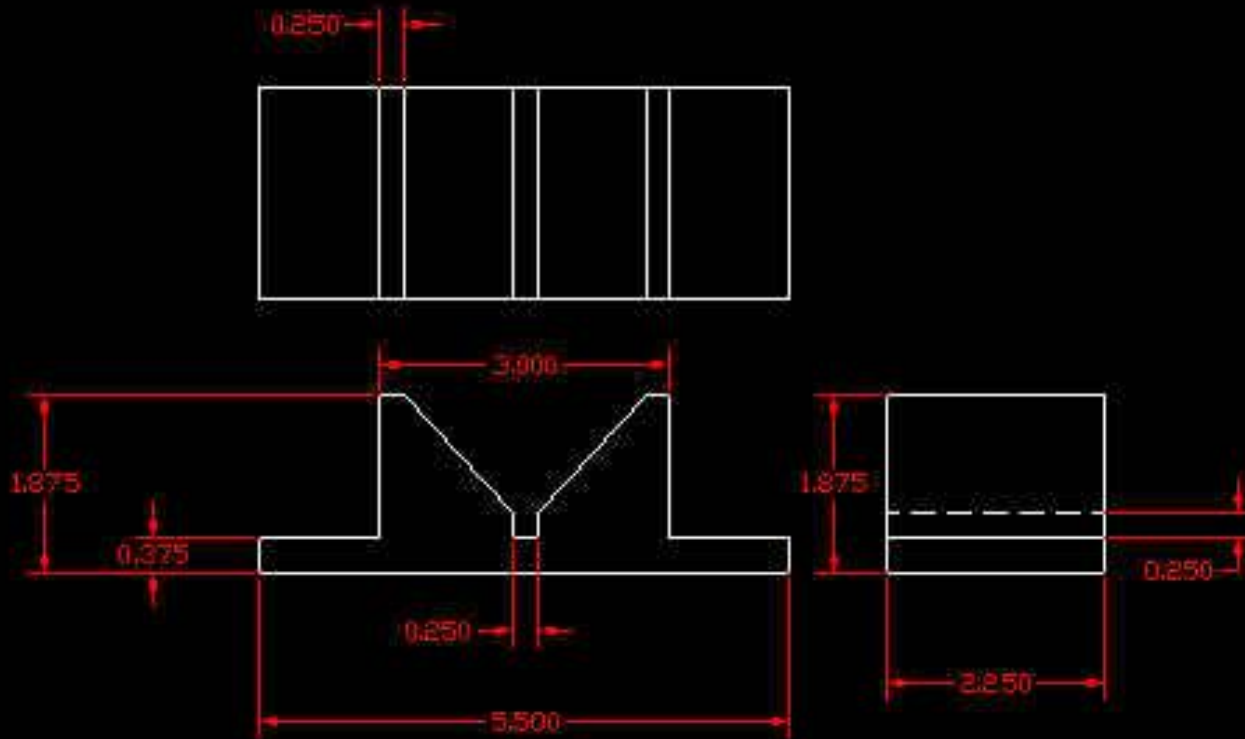
Electrical - photolithography - IC

Software - code generation



# Traditional 3-View Drawing

Mr. Minger	1
V-Block	
Date Hour	



# Questions?

