Control

CSC 211.01 — Monday, November 2, 2015
Keys on my keyboard keep failing even when I boot from an external recovery disk.

Sounds like it's hardware, then.

Yeah... except the problem followed me from my last computer.

You have the most bizarre tech issues.

It must be spreading via keyboards. This one won't work with any computer now.

When the robot apocalypse happens, I'm hiding out in your house. Any Skynet drones that come near will develop inexplicable firmware problems and crash.

http://xkcd.com/1586/
Control on K&S

http://users.dickinson.edu/~braught/kands/KandS2/micromachine.html
Can instructions be read in parallel with control signal generation?
Can registers be written in parallel with control signal generation?
Can the main ALU execute in parallel with control signal generation?
Can registers be read in parallel with control signal generation?
How can we implement the jr instruction?
Exam Topics

• Implementing Procedures
• Addressing
• Program Translation
• Arrays vs. Pointers
• Multiplication & Division
• Instruction Set Architectures