Interesting class ...
• New kind of programming
  • Nothing between you and the metal
  • C language
• and deal with Real World
  • Learn hardware
  • Analog / Digital and systems concepts
  • Interesting jobs....

Some DON’Ts
Don’t think PC
  • Add WiFi
  • Add Graphics
  • Add Keyboard
  • ...
Complain about our lovely room
  • Don’t make a mess
  • Don’t remove things
A little about me...

Industry Background
- Voice and data telecommunications, wireless systems and applications, packet switching, network applications, satellite systems
- Research and Development
- Leading large teams of software developers
- Creating new systems (sometimes)
- Global experience (Europe, Asia)
- Hired hundreds of new college graduates

Bell Laboratories, ITT, GTE, USWEST, Motorola

My Embedded Software Background

Products (aka Applications)
- Voice Data Switches (central office, PBX, open systems)
- Packet Data Switches (X.25, network control, QoS)
- Satellite Communication Networks (testing systems)
- Mobile Phone Infrastructure (CDMA, services)

Specialized Hardware (including processors)
- Custom processors for reliability (and performance)
- Continuously available systems
- Commercial chip processors eventually
- Home grown and OTS operating systems
- Specialized Software Development Tools (languages, simulators)