CS61C SECTION

Nathan Pemberton
nathanp@eecs.berkeley.edu
http://people.eecs.berkeley.edu/~nathanp/
ABOUT ME

- Grew up in SLO County
- Undergrad at Santa Cruz
- Work at Oracle
- Grad School at Berkeley
MY RESEARCH
Warehouse-scale computers

The “Box”

CPU
Mem
Disk
NIC
User I/O
MY RESEARCH
Warehouse-scale computers

The "Box"

CPU
NIC
Mem
CPUS

"Magic"

CPU
Disk
Mem
CPUS

Mem
CPUS

CPU
ME
MY RESEARCH
Warehouse-scale computers
MY RESEARCH
Warehouse-scale computers
HINTS/ADVICE

FOR THIS CLASS

Real
Programmers
don't comment their code.
If it was hard to write
it should be hard to read.
EDITOR/ENVIRONMENT

- I use: ssh + tmux + vim + cscope
  - Why?:
    - Can’t always edit code locally
    - Setup is portable (I can get it working almost anywhere)
- IDEs (e.g. eclipse)
  - Great for complex environments
  - Lots of handy tools (like refactoring)
  - Really only work on a local machine
Use One!

I don’t care which so long as it’s consistent

Examples

https://www.freebsd.org/cgi/man.cgi?query=style&sektion=9


Google: “C Style Guide”
HANDY LINKS

http://people.eecs.berkeley.edu/~nathanp/cs162/cs162.html

- Cscope/Ctags

- Make
  - http://www.cs.colby.edu/maxwell/courses/tutorials/maketutor/

- GDB