Researchers from Aachen University have created the “BendDesk”, in which the desk and screen are combined into a single multi-touch display.

hci.rwth-aachen.de/benddesk

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**Upcoming Calendar**

- **Sun**
  - 12/28
  - 12/29
  - 12/30
- **Mon**
  - 12/1
  - Lec: Farewell + Feedback (Lab: Online Final) beyond blocks bleiben
  - Project due @ 11:59pm
- **Tue**
  - 12/2
  - Final Project Demos
  - 306 Soda Hall
  - 10:30am-2pm
- **Wed**
  - 12/3
  - 12/4
  - Final Project due @ 11:59pm
- **Thu**
  - 12/7
  - CS Ed Day (best CS10 projects shown in AM)
- **Fri**
  - 12/10
  - 12/11

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**Administrivia: Become active!**

- Online Exam details
  - No exam handed out unless you’ve filled in both KHN + AP survey
- Final Exam details
  - Only bring pen,cils, three 8.5”x11” handwritten sheets (writing on both sides)
  - Leave backpacks, books, calculators, cells & pagers home!
  - Everyone must take ALL of the final!
- If you did well in CS10 and want to be on staff?
  - Usual path: Lab Assistant → Reader → TA
  - LA sign up w/Jenny Jones in 395 Soda before 1st week of semester
  - Reader/TA forms: www.cs/~juliea
- I strongly encourage anyone who gets an A- or above in the class to follow this path.

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**Clickers were worth the time spent**

- a) Strongly Agree
- b) Moderately agree
- c) Neutral
- d) Moderately disagree
- e) Strongly disagree

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**Exciting Future Implications**

- Need to revisit chronic unsolved problem
  - Parallel programming!!
- Implications for applications:
  - Computing power available >>> [choose your favorite supercomputer from a decade ago] on an economical die inside your watch, cell phone or PDA
  - On your body health monitoring
  - Google + library of congress on your PDA
- As devices continue to shrink…
  - The need for great HCI ([human-computer interfaces] is as critical as ever!

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**Taking advantage of Cal Opportunities**

“**The Godfather answers all of life’s questions**”

- Why were we the #2 Univ in the WORLD?
  - See Cu the 2004 ranking from the “Times Higher Education Supplement”
- Research, research, research!
- Whether you want to go to grad school or industry, you need someone to vouch for you!
- …as is the case with the Mob
- Techniques
  - Find out what you like, do lots of web research (read published papers), hit OH of Prof, show enthusiasm & initiative
- [http://research.berkeley.edu/](http://research.berkeley.edu/)
Opportunities Spring 2011

- CS61A (1st course in CS major)
  - Structure and Interpretation of Computer Programs
  - I would recommend Python next, CS94
- GamesCrafters (Game Theory R & D)
  - Develop SW, analysis on 2-person games of no chance.
  - Req. Game Theory / SW Interest
- MS-DOS X (Mac Student Developers)
  - Learn to program Macintoshes.
  - Taught as a DeCal by MS-DOS X veterans
- UCBUGG (Recreational Graphics)
  - Develop computer-generated images, animations.
  - Taught as a DeCal by UCBUGG veterans

Penultimate slide: Thanks to the staff!

- TAs
  - Luke Segars
  - Jon Kotker
- Readers
  - Stephanie Chou
  - Courtney Wang
  - Daisy Zhou
- Development & LAs
  - Colleen Lewis
  - George Wang
  - Glenn Sugden
  - Brandon Young
  - Gideon Chia
  - Wayland Siao
  - Aloni Cohen
  - Pierce Vollucci
  - Navin Elutheisen
  - Christian Pedersen
  - Corrie Cai

Peer Instruction Opinion

- "Forget cloning. Forget TVs on your wrist watch. The biggest invention of the next 100 years will be the ability to directly connect your brain to a machine, aka wet computing." – Dan Garcia
  - A macaque monkey at Duke University can already control a robotic arm with thought
  - DARPA interested in mind-control robots & flying
  - Virtual Reality achieved with proper I/O interfacing…

Jose Carmena, UCB EECS Prof
Research: Brain-Machine Interface
www.eecs.berkeley.edu/~carmena/

The Future for Future Cal Alumni

- What's The Future?
- New Millennium
  - Ubiquitous & Quantum Computing, Nanotechnology, 10 M "volunteer" CPUs, the Parallel revolution...
  - Rapid Changes in Technology
  - World's Best Education
  - Never Give Up!
- The best way to predict the future is to invent it” – Alan Kay

The Future is up to you!