

#### Invite your friends to take CS10 next sem! The Beauty and Joy of Computing

Lecture #25

**Summary & Farewell** 



**UC Berkeley EECS** Lecture



Lab this week is Survey (0:20), online final (1:30)

BJC Art or Poem Submit this at final for extra credit! then turn

**Gerald Friedland** 

#### **GOOGLE GLASSES, NEXT "IT"?**

Google's "Project Glass" hopes to bring all services from Android to a display you carry with you on your glasses. Next big thing?

Discussion this week is important course feedback + summary



g.co/projectglass

### Administrivia: Become active!

- With-Snap! Exam details
  - No exam handed out unless vou've filled in both HKN + our survey
  - No "study sheets" needed / allowed since you have access to Snap!
- Final Exam details
- Only bring pen{,cil}s, three 8.5"x11" handwritten sheets (writing on both sides).
- Leave backpacks, books, calculators, cells & pagers home!
- Everyone must take ALL of the final!
- Bring your "Beauty and Joy of Computing" Art/Poem for extra credit!
- If you did well in CS10 and want to be on staff?
  - Usual path: Lab Assistant  $\Rightarrow$  Reader  $\Rightarrow$  TA
  - Indicate on your final survey whether you're even remotely interested
  - We strongly encourage anyone who gets an B or above in the class to follow this path..

"The Beauty and Joy of Computing" : Summary & Far



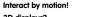
## **Exciting Future Implications**

- In computing, need to revisit chronic unsolved problem
  - Easy parallel programming
- Implications for apps:
  - **HUGE** Computing power available in cell phone, car
    - · On-body health monitoring
- Google + library of congress
- As devices shrink...
  - The need for great HCI (human-computer interfaces) critical as ever! (voice, gesture)

- Natural language processing?

- Space travel?

- Energy!



- 3D displays?
- Personal Robotics?
- Self-driving cars?
- 3D Printing?
- Optical/quantum computing?
- Personal air vehicle?
- Computer displays in glasses?
- Flexible displays?
- **Brain-machine interfaces?**



- "The Godfather answers all of life's questions"
- Heard in "You've got Mail"
- Why were we the "Univ in the WORLD?

So said the 2004 ranking from the "Times Higher

- 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://researchmatch.heroku.com/



# Dan and Gerald's Research Projects

CS Illustrated



Ensemble



Improve CS10/Snap!



**Improve Privacy Teaching** 



Sign up on the final survey if you're interested!

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### Opportunities Next Semester

- CS61A (1st course in CS major)
- Structure and Interpretation of Computer Programs
- CS9 series (learn a second language)
- I would recommend Python next, CS9F
- GamesCrafters (Game Theory R & D) Develop SW, analysis on 2-person games of no chance. (e.g., go, chess, connect-4, nim, etc.)
- Req: Game Theory / SW Interest

  MS-DOS X (Mac Student Developers)
  - Learn to program Macintoshes.
  - Req: Interest. Owning a mac helps, not required.
- Taught as a DeCal by MS-DOS X veterans
- **UCBUGG (Recreational Graphics)** Develop computer-generated images, animations.
  - Req: 3D interest Taught as a DeCal by UCBUGG veterans

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