

Today's Agenda

- > Collaborative Presentation
- > VisWeek overview + Behaviorism presentation
- > Talk about your final projects

Final Projects

1. Algorithms Project & Competition

- Build an interactive implementation of the the Set Daily Puzzle.
(http://www.setgame.com/set/puzzle_frame.htm)
- Create an algorithm to solve the puzzle in the shortest number of steps.
- On competition day, all implementations will be given the same game data. The program that solves it in the least number of steps will be the winner.
- Grading will be as follows: 50% competition; 25% elegance/cleverness of algorithm & data structures; 25% visuals/interaction

2. Final Research Project & Implementation

- Choose a project of your choice that utilizes media data in some shape or form (e.g. OpenGL, OpenCV, PortAudio, etc) using the language of your choice (C/C++, Processing, Java, etc).
- You will give two presentations: 1) a quick "flash forward" 1 minute overview of your project, describing the overall direction & innovation of the project; and then 2) a final 15 minute presentation demonstrating the project.
- You will also need to create a website describing your final project.

Research Project & Implementation

Research = Pushing the proverbial envelope...

This should be exciting, novel, clever, inspiring on one or more levels...

1) Describe the envelope...

What is the overall context? What other work has been done in this area? Why is it important? How is different from other approaches?

2) Describe how you are pushing the envelope...

What is your concept/idea/innovation? What techniques did you utilize in order to achieve/realize this (programming, algorithm, tools, etc)? What representation (artistic, mathematic, statistic, interactive) did you decide upon? What were the "design decisions" that influenced your project?

3) Evaluate the results of your pushing the envelope...

What happened? What do you think about it? What did people other people think? What were your methods to evaluate what they thought? What future work is there to do?

VisWeek 2010

Held in Salt Lake City; 1200+ attendees; probably about 150 presenters in total
(including papers, posters, panels, and demos)

Probably about 50% US, 50% other (Japan, China, England, Ireland, Germany, Austria,
Singapore, Canada, Sweden, Norway, Spain, Brazil, etc...)

Estimate a 75%/25% split between academic institutions and corporate research labs (IBM
TJ Watson, Microsoft Research) + a few from independent studios, etc.

VisWeek is actually 3 conferences + a "symposium":

Vis

InfoVis

VAST (Visual Analytics Science & Technology)

<http://vis.computer.org/VisWeek2010>

SoftVis

<http://www.softvis.org/softvis10>

VisWeek 2010 / InfoVis

All of the conferences had an approximately 25% acceptance rate for full papers.
Prestigious conferences generally have a lower acceptance rate.

35 papers accepted in InfoVis conference in various sessions, including:

- Social Applications

- Geo, Bio, Time Applications

- Evaluation

- Theory (Perception / Cognition)

- Textual Visualizations

- Frameworks

Interesting topics included :

- Graph visualization / interaction

- Twitter visualization

- Life-logging

- Genealogical visualization

- GPU / parallelization

- Genetic data visualization