

Research topics in HCI

22c.296.001
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Seminar class

- Concentrate on five research areas in human-computer interaction
- Review conducting research experiments
- Read research papers
- Research project
 - Pilot study on a technology
 - Write paper
 - Presentation

Research areas

- Information visualization and retrieval
 - So much data, so little time...
 - Find what you need, understand what you find
 - Overview first, zoom and filter, then details on demand
- Input devices
 - Evaluation
 - Interaction techniques

Research areas

- Age-specific user interfaces
 - Children
 - Older adults
- Games
 - Serious games
 - Educational games
 - Innovative interactions
 - Social impact

Research topics

- Mobile computing
 - Interaction techniques
 - Pen-based interaction
 - One-handed interaction
 - Applications
 - Context-sensitive computing

Reading papers

- Critique them
- Lead discussions on papers
- Contact the authors with comments and questions

Research project

- Develop and evaluate an interaction technique, sample application, etc.
- Conduct a pilot study
- Write a research paper about it
- Present on your work in class