OVERVIEW

iPods were used for two purposes in a survey course that highlights some of the important concepts, techniques, and implications of computing. First, students recorded sounds and wrote programs in lab to manipulate digital audio and create audio collages. The assignments complemented class discussions on implementing efficient algorithms for dealing with collections of homogeneous data and the implications of digital media. A second use of the iPods was for building musical profiles for the students. Students used a tool called AudioScrobble to record their listening history which can then be viewed on the last.fm website. This data serves as the basis for assignments and discussions on recommender systems.

TECHNOLOGY USED

- iPod
- Microphones
- Blackboard for posting files
- Eclipse programming environment
- last.fm
- iTunes
- web sites

SPONSORS

- Center for Instructional Technology

Jeffrey Forbes, Ph.D
Department of Computer Science

Spotify
Amazon
Apple
Google
IBM
Microsoft

iPods enabled students to write programs and have discussions about relevant authentic data that they created.

- Jeffrey Forbes