Universal Usability

Jaxsen Day, UT School of Information

Sam Burns, UT School of Information

Open Texas 2021

March 12th, 2021

About this effort

- Our Collaboration
- Undergraduate Informatics
- User and Accessibility Studies
- Revitalizing the Accessibility Institute

7 Principles of Universal Design/Universal Usability

1. Equitable Use.
2. Flexibility in Use.
3. Simple and Intuitive Use.
4. Perceptible Information.
5. Tolerance for Error.
6. Low Physical Effort.
7. Size and Space for Approach and Use

Story, M., Mueller, J. and Mace, R. 1998. The universal design file: designing for people of all ages and abilities. Raleigh, NC: North Carolina State University. Available at: http://www.design.ncsu.edu/cud/pubs_p/pud.htm

Why Universal Usability?

"3.4 million Texans -- or 12.9 percent of the population -- had a disability in 2014. These men, women and children are eligible for a range of state and federal services including rehabilitation, medical equipment, help finding a job, medical care and personal attendants."

Texas Health & Human Services Commission

Our Proposal

- School of Information is a natural home for this curriculum and research.
- Develop a new undergraduate course.
- Contribute to the Commons
- Modularized Original Course Content, Tutorials, Demonstrations, Assessments, and Projects

Outcomes

- Submit course proposal Spring/Summer 2021 anticipating Spring 2022 start.
- Prepare tutorials, video demonstrations, assessment materials, and conduct interviews compiling a rich media library of OER materials.
- Develop partnerships with other academic institutions, non-profits, governmental institutions, and corporations with an interest in advancing universal usability.

Comments or Questions?