

Apr 18th, 12:20 PM - 12:40 PM

An Adventurous E-Reader for Non-Linear E-Books

Emily Palmieri

University of Montana - Missoula, emily.palmieri@umontana.edu

Yolanda Reimer

University of Montana - Missoula, yolanda.reimer@umontana.edu

Follow this and additional works at: <http://scholarworks.umt.edu/gsrc>

Emily Palmieri and Yolanda Reimer, "An Adventurous E-Reader for Non-Linear E-Books" (April 18, 2015). *UM Graduate Conference (GradCon)*. Paper 3.

<http://scholarworks.umt.edu/gsrc/2015/oralpres2c/3>

This Oral Presentation is brought to you for free and open access by ScholarWorks at University of Montana. It has been accepted for inclusion in UM Graduate Conference (GradCon) by an authorized administrator of ScholarWorks at University of Montana. For more information, please contact scholarworks@mail.lib.umt.edu.

An Adventurous E-Reader for Non-Linear E-Books

Emily Palmieri and Yolanda Reimer
Department of Computer Science
emily.palmieri@umontana.edu; yolanda.reimer@umontana.edu

Abstract:

Non-linear books are published in print format as sequential text or digitally as collections of documents linked together via hyperlinks. These publication methods are problematic for readers and authors alike. Readers are often presented with unintuitive interfaces that do not indicate critical contextual information; authors struggle to order non-linear content into linear formats or to create and distribute their work in resource intensive digital mediums. While standard e-books might be a convenient format for non-linear books, current e-readers used to view them are severely limited; they mimic the format of physical books, fail to solve problems inherent in displaying non-linear content in a sequential order, and render e-books in an inflexible format. This paper presents a novel e-reader prototype, called Adventurous Reader, that solves many of the problems authors and readers currently experience in the creation, distribution, and consumption of non-linear texts.