OIIOOO OIIOOO CTHCI Lab 4 Writing a Review

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A01 Reflection

- Paper classification: generally great!
- Improve precision and specificity of used words
 - "User performance", "a method", "a study", "explore"
 - "Typing speed", "Gestural keyboard", "Comparing A to B", "Survey 160 blind people in ..."
- Acquire papers that are important for the main contribution of the target paper



Contribution and Benefits Statements

Context type: Using Hand Posture Information to improve mobile touchscreen text entry

"It is based on detecting the hand posture of the user. It tries to improve the devices and the experience of the users using them. The result of Context type showed that it has no effect on speed typing but it makes a significant improvement on total error rate."

• Is this a good summarisation?



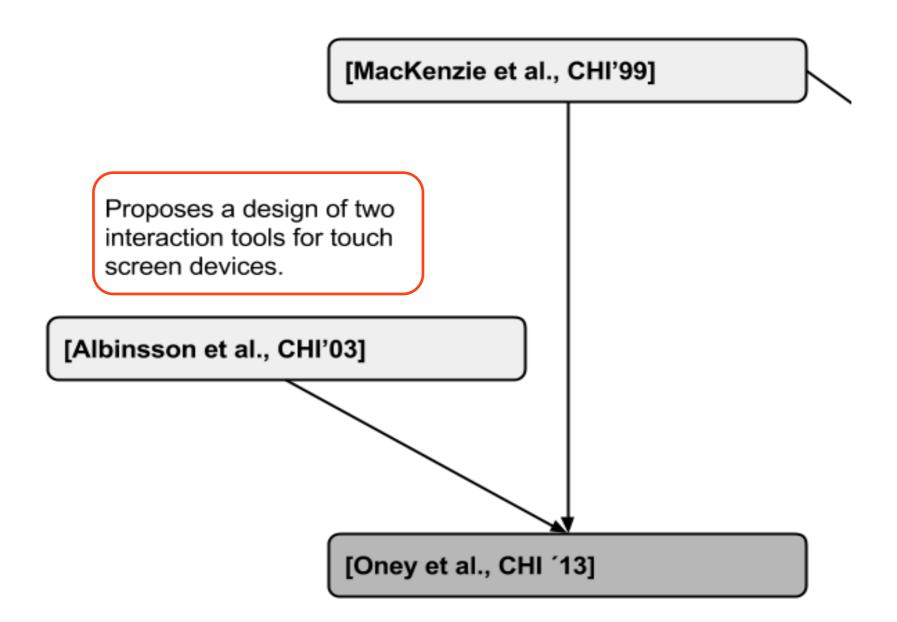
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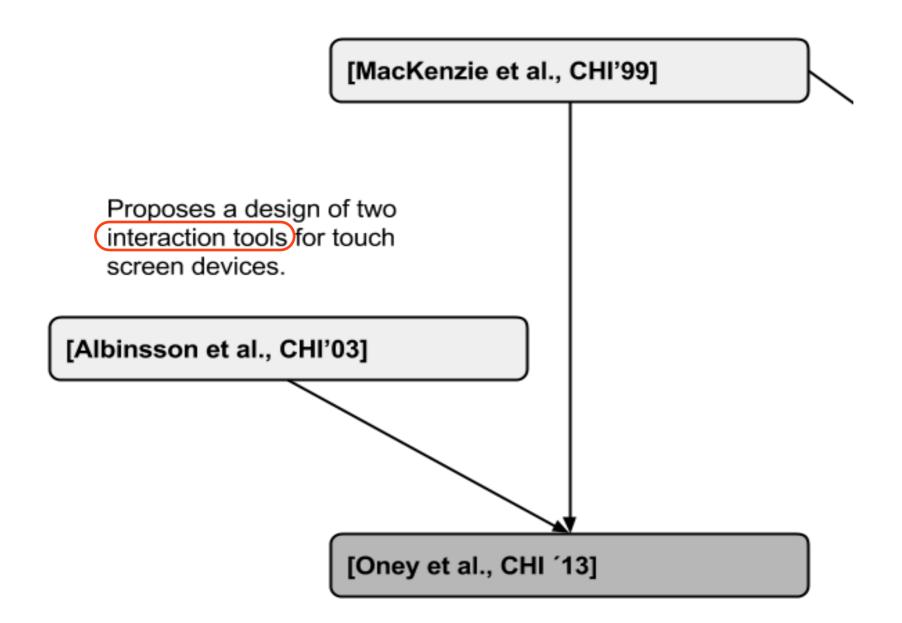
"It is based on detecting the hand posture of the user. It tries to improve the devices and the experience of the users using them. The result of Context type showed that it has no effect on speed typing but it makes a significant improvement on total error rate."

- In the contribution statement context is key
- References should be clear
- Do not use undefined terms or acronyms
- Only report the key benefits with precision

Describes the design and evaluation of a high perfomance soft keybord for mobile devices by comparing it to QWERTY keyboard layout.

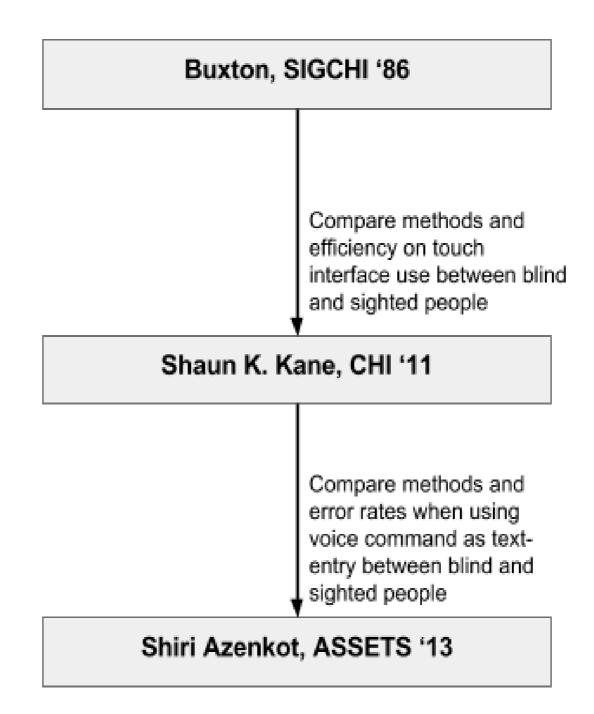


Presents findings on how to improve text entry on ultra small devices using ZoomBoard. Describes the design and evaluation of a high perfomance soft keybord for mobile devices by comparing it to QWERTY keyboard layout.



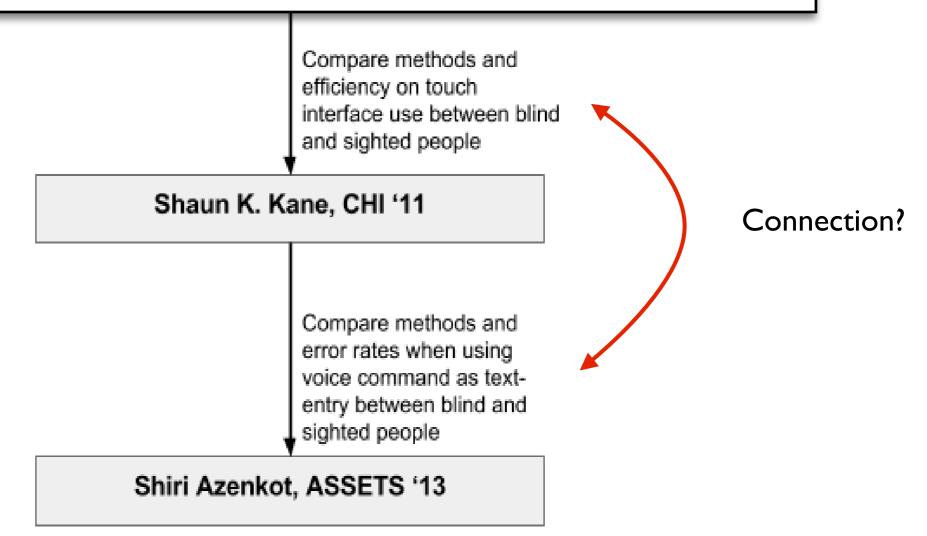
Presents findings on how to improve text entry on ultra small devices using ZoomBoard.

A panel which focus on the problem that improving user interface for the 'standard user' may worsen them for the handicapped



A panel which focus on the problem that improving

Several eyes-free text entry methods were proposed and evaluated with sighted people (*e.g.*, [30]), but they may not be appropriate for blind users. As Kane *et al.* found [14], blind people have different preferences and performance abilities with touch screen gestures than sighted people.



Criteria for a Good Paper

- Contribution: What new insight does it bring to the field?
- Benefits: What can one learn from this / do with this?
- Novelty: Prior publications?
- Validity: Are the claims properly backed up?
- Applicability: How good does the paper match the likely audience?
- Format: Readability and clarity

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Structure of a Review

- Overall rating: I: definite reject 5: definite accept
- Short summary of the contributions and benefits
 - "This paper presents... (who) will benefit from (what)
- Concerns
 - Originality
 - Validity
 - Clarity
- Suggestions for improvement
- Reviewer's expertise: I: no knowledge 4 expert



Reviewing Checklist

Recommending accept

- Convince yourself that it has no serious defects
- Convince the editor that it is of an acceptable standard, by explaining why it is original, valid, and clear
- List the changes that should be made before it appears in print Where possible: indicating not just *what to change* but *what to change it to*
- Take reasonable care in checking details, e..g, mathematics, formulas, and bibliography
- Recommending reject
 - Clearly explain the faults and, where possible, discuss how they could be rectified
 - Indicate which parts of the work are of value and which should be discarded
 - Check the paper to a reasonable level of detail

From Writing for Computer Science (Zobel, 2004)



Reviewing Checklist

- Always do the following in either case
 - Provide good references with which the authors should be familiar
 - Ask yourself whether your comments are fair, specific, and polite
 - Be honest about your limitations as a referee of that paper
 - Check your review carefully as you would check one of your own paper prior to submission



From Writing for Computer Science (Zobel, 2004)

In-Class Practice

Writing a review of an evaluation section

Guided review: Quasi-Qwerty Soft Keyboard Optimization (Bi et al., CHI 2010)	Whiting a review for Evaluation sections: This part of the review focuses on the validity, generalizability, and replicability of the methods used in the evaluation.	Quasi-Qwerty Soft Keyboard Optimization		
Kliph how understanding: Summarizing your understanding about the contribution and benefits of the paper. The final summary is usually put into 3-4 sentences in the actual retire. A. Problem Between the two keyboard keyoolds (and) there is a trade-off betweenand) B. Method	B1. Research method: B2. Variables: What are they? Operational definition?	Xiaojun Bi Department of Computer Science University of Toronto, Toronto, Canada xiaojun@dgp.toronto.edu	Barton A. Smith Shumin Zhai IBM Research - Almaden 650 Harry Road, San Jose, CA, USA {barton.smith, zhai}@acm.org	
This paper proposed has This paper argue that This paper argue that To support this argument, togenfing the motor performance, the authors derived theoretical movement efficiency of the keyboard layouts. A(n) comparing and, in three conditions:, and	Were the definitions described unambiguously? If no, what are other interpretations? How much does the definitions serves the purpose to answer the research quastion? B3. Procedure: Was the procedure described in detail such that you can replicate this experiment? What are still ambiguous?			·
C. Results Both theoretical motor performance and initial visual search time from the experiment reveals that provide a balance between and D. Inglications The results of the paper care lead to a blane hip/board tayout design that strikes a balance between the motor performance and visual search time.	B4. Volidity: How much does the study achieved internal and external validity? What are potential lineads to the validity?			



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