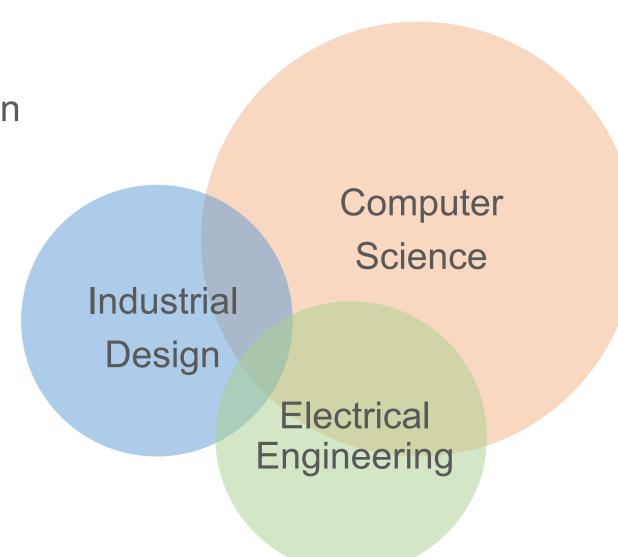
PhD student at the University of Manitoba, Canada

Human Computer Interaction (HCI)

Input/output modalities,
Creative tools,
Mobile UI



PageFlip: Leveraging Page-Flipping Gestures for Efficient Command and Value Selection on Smartwatches

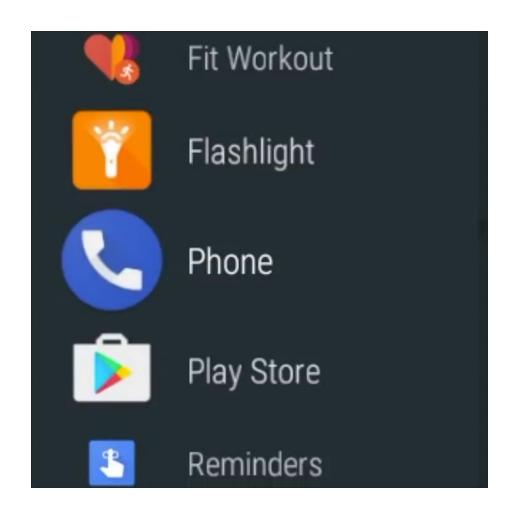
Teng Han, Jiannan Li, Khalad Hasan, Keisuke Nakamura, Randy Gomez, Ravin Balakrishnan, Pourang Irani

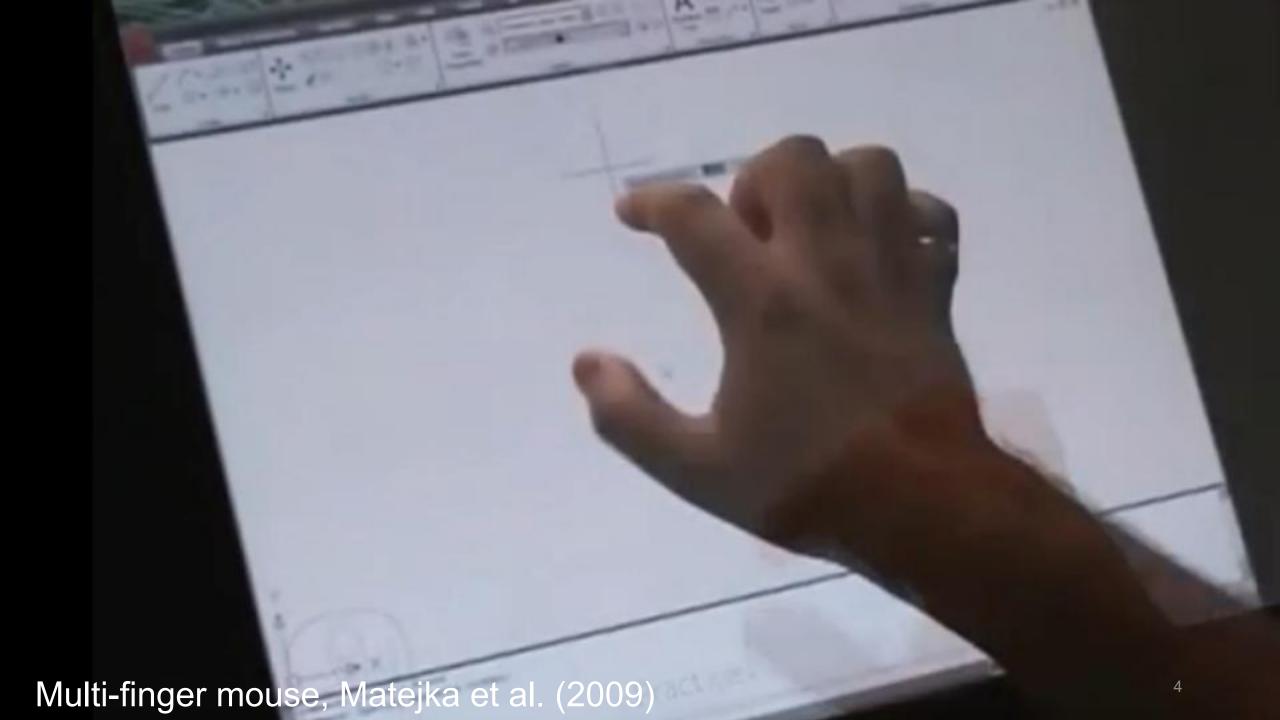


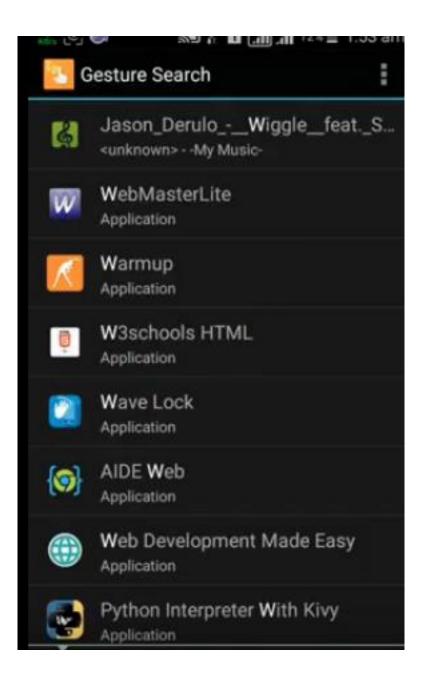












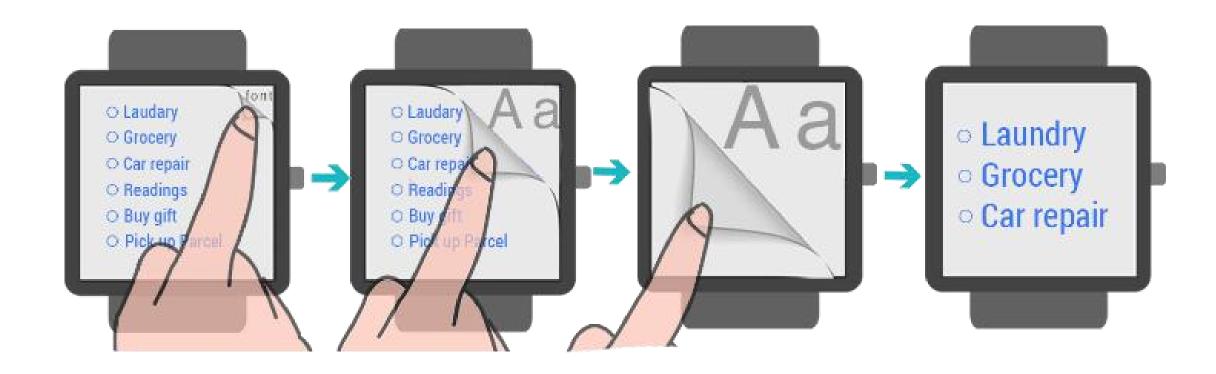








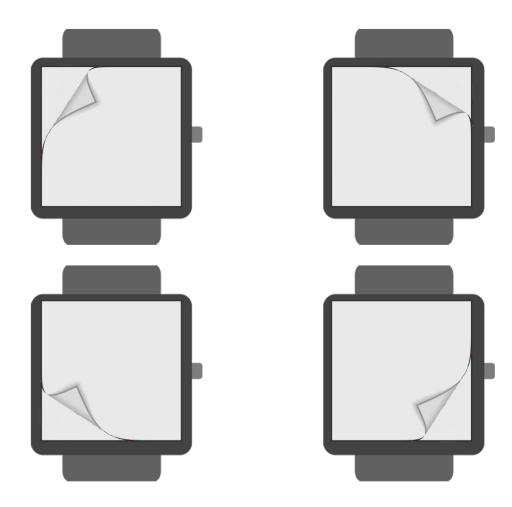
PageFlip for Command & Value Selection



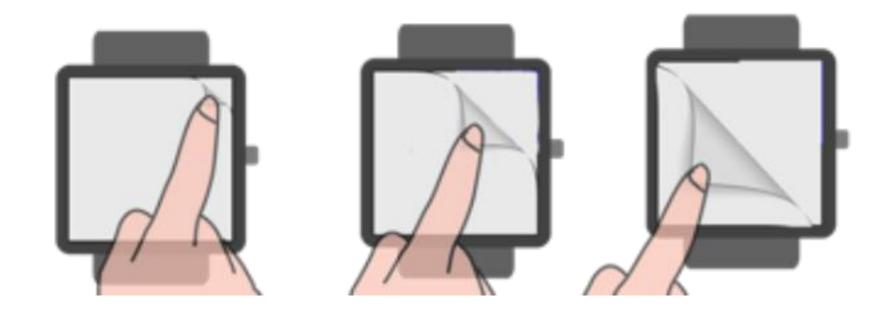
Demo of PageFlip



Features of **PageFlip**



Features of **PageFlip**

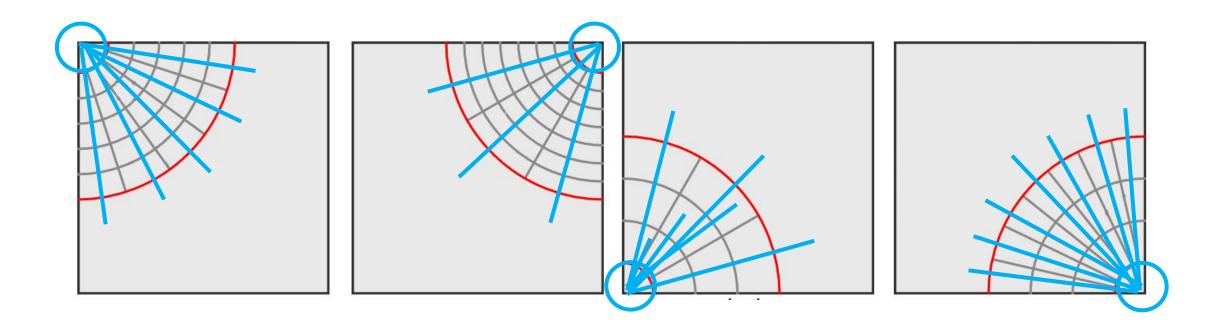


Features of **PageFlip**

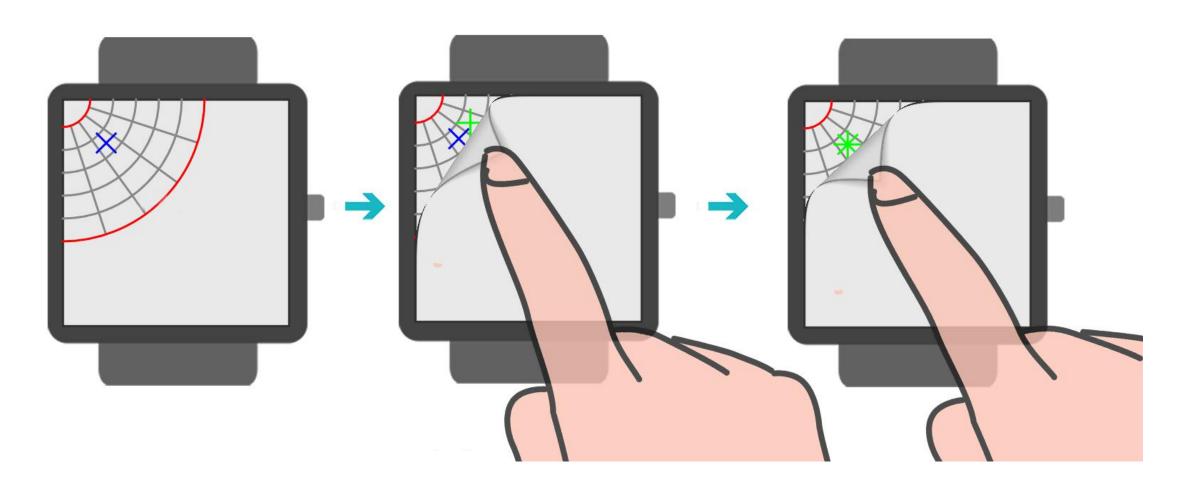


Study 1 – Designing PageFlip

corner, drag direction, drag distance

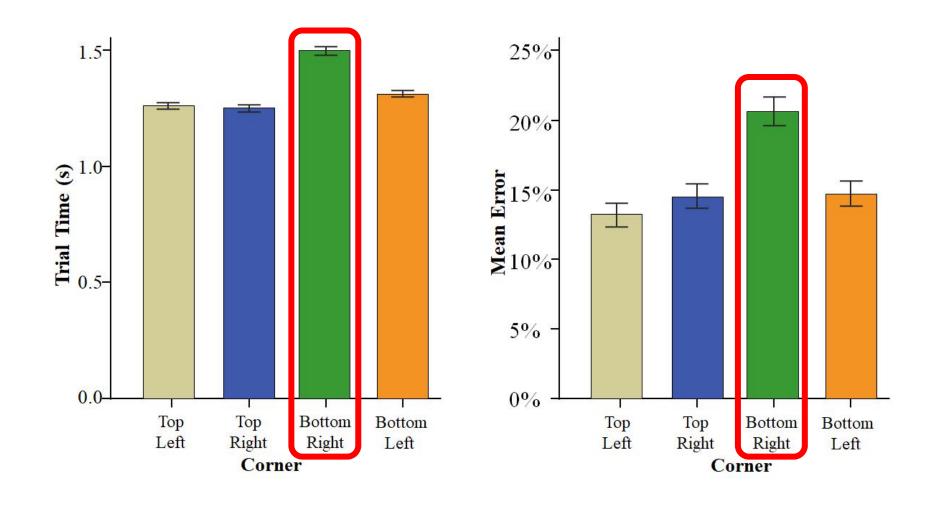


Study 1 Procedure

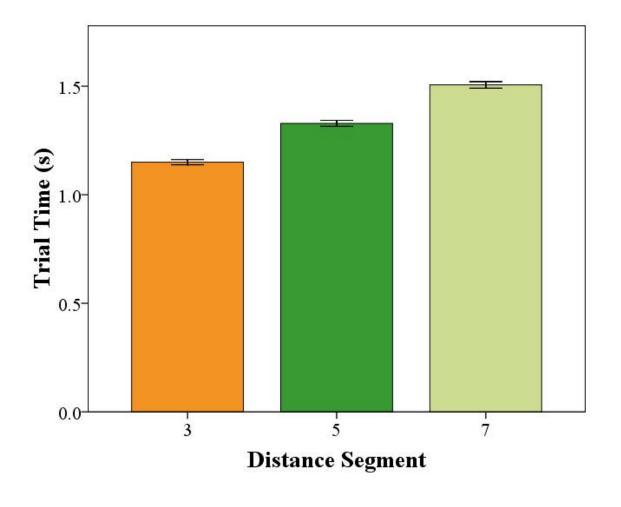


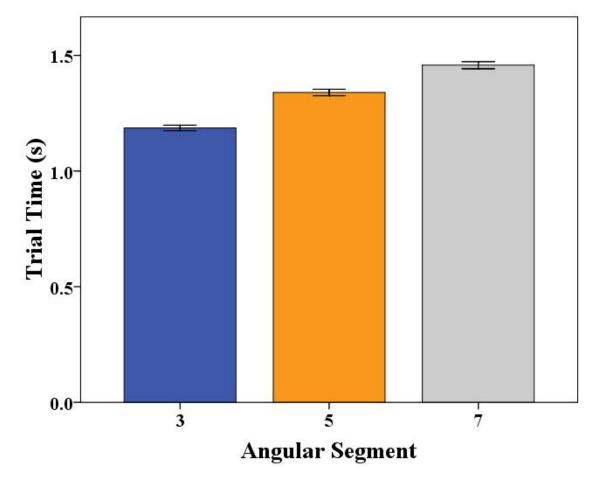


Study 1 Results



Study 1 Results



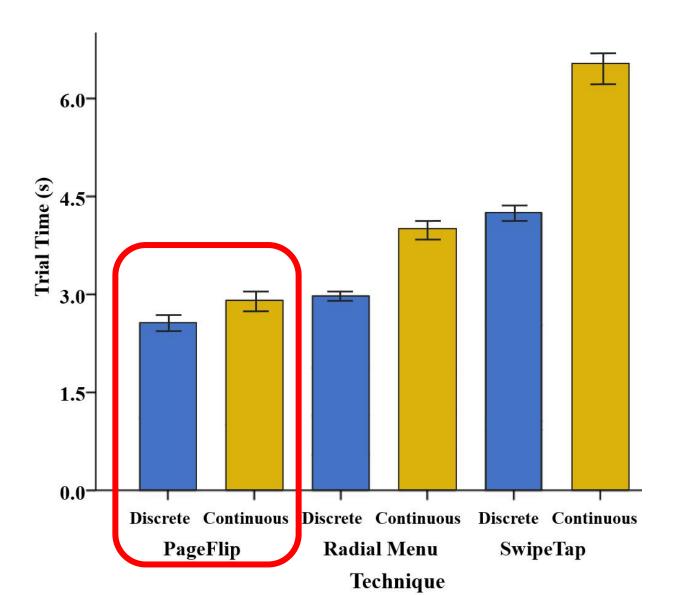


Study 2 – Performance of **PageFlip**

PageFlip, Radial Menu, SwipeTap
Six Tasks: selecting a number, letter, shape
changing color, stroke weight, size



Study 2 Results



Applications of **PageFlip**







Discussion

- PageFlip: intuitive and efficient.
- **But**, there are usability challenges: *Discoverability*, *Affordance* and *Learnability*
- Round vs. Square face

Conclusion

- Design and performance of PageFlip
- Corner-command mappings
- Command invocation and value selection in a single cornerdrag action

Thank you!

PageFlip

Leveraging Page-Flipping Gestures for Efficient Command and Value Selection on Smartwatches

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