CSE 510: Advanced Topics in HCI

Design Tools

James Fogarty
Daniel Epstein



Tuesday/Thursday 10:30 to 12:00

CSE 403

ABC News and IDEO's Deep Dive

Things to see in this video:

brainstorming

inquiry

sketching

critique

Why build a shopping cart with no bottom?

A highly iterative design process with a variety of intermediate artifacts



ABC News and IDEO's Deep Dive (1999)

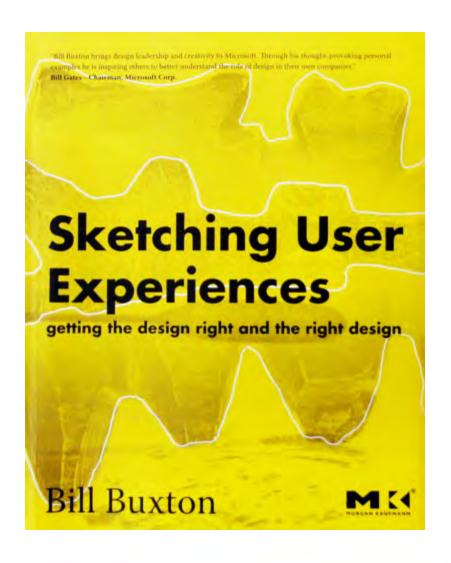




Sketching in Design (2007)

"Design is Choice"

"the creativity that you bring to enumerating meaningfully distinct options from which to choose"

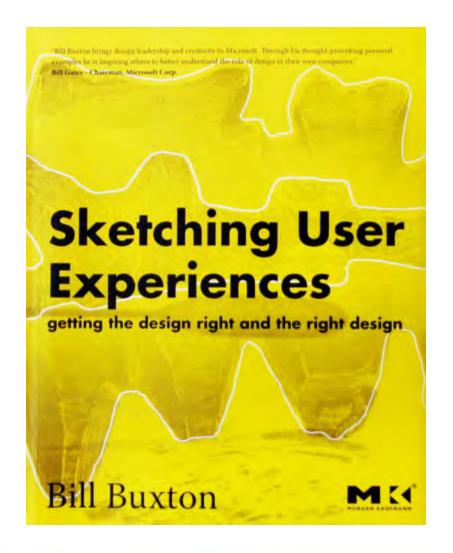




Sketching in Design (2007)

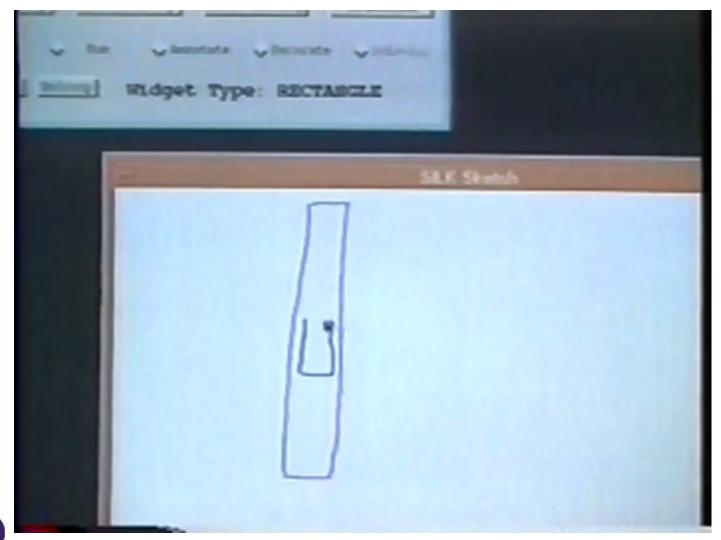
"Design is Choice"

"the creativity that you bring to defining the criteria, or heuristics, according to which you make your choices"





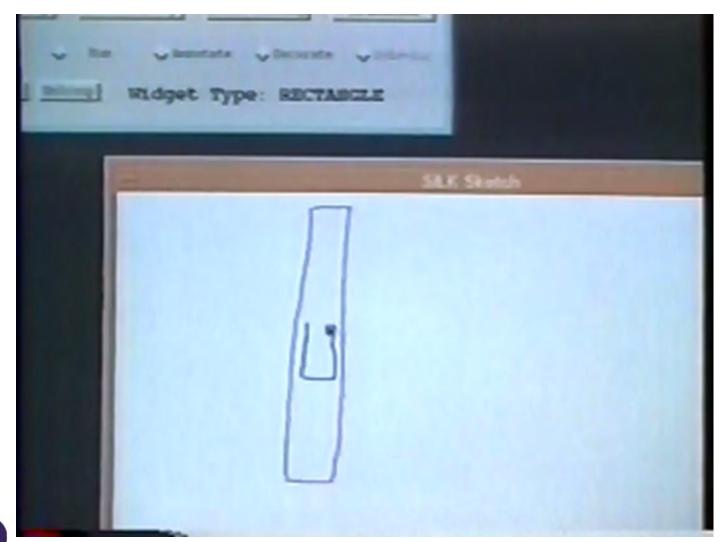
SILK (1996)





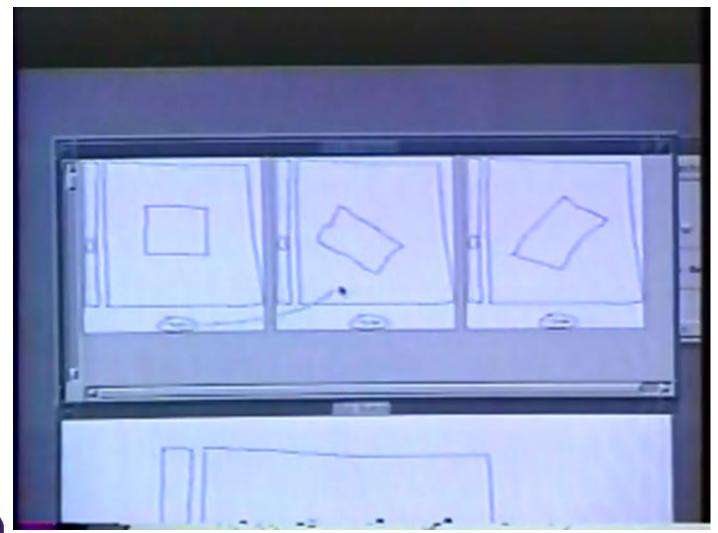
http://courses.cs.washington.edu/courses/cse510/videos/designtools/silk_chi1996.mp4

SILK (1996)





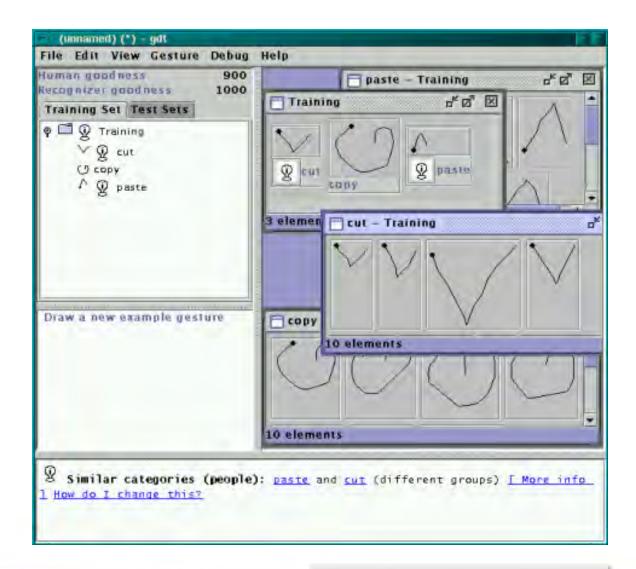
SILK (1996)





Washington

QUILL (2000)

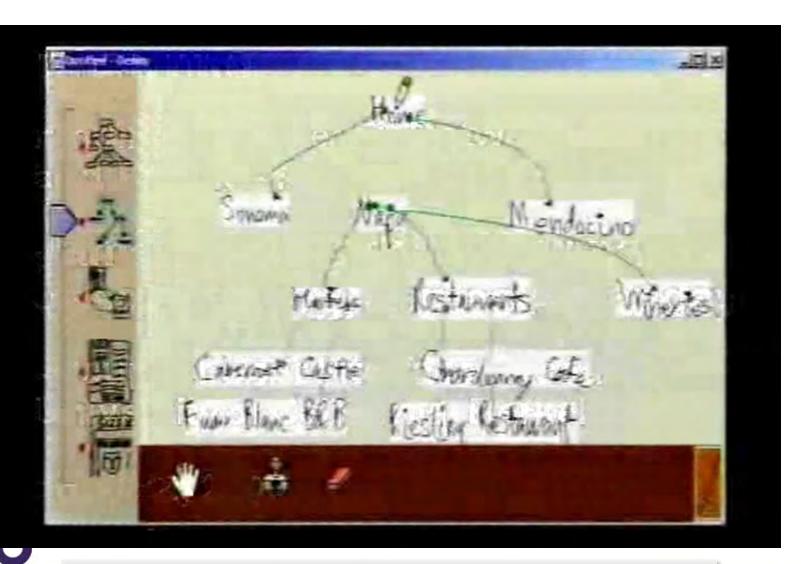




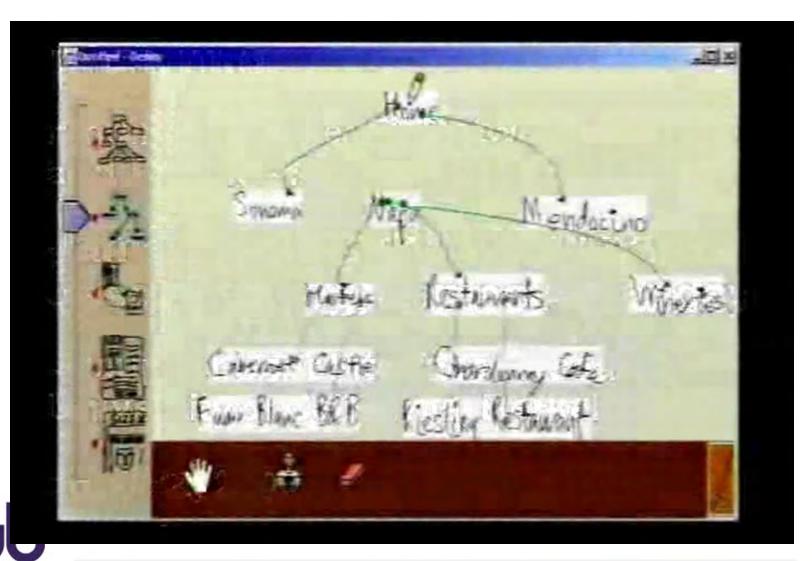
Washington

DENIM (2000)

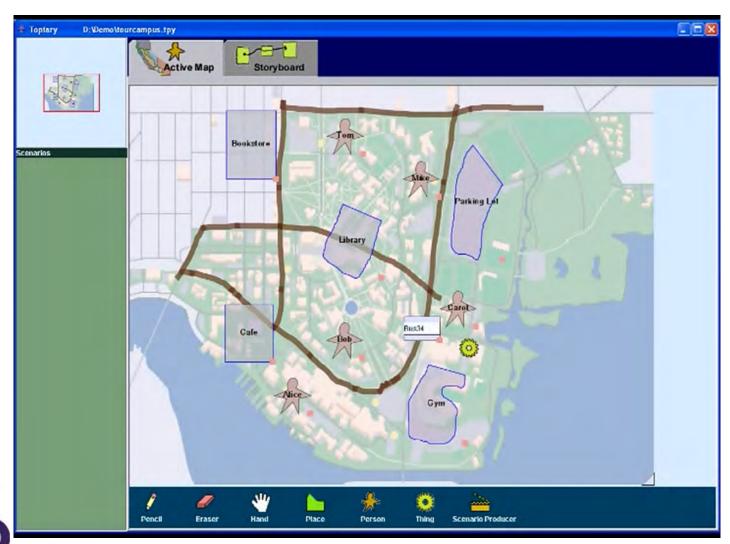
University of Washington



DENIM (2000)

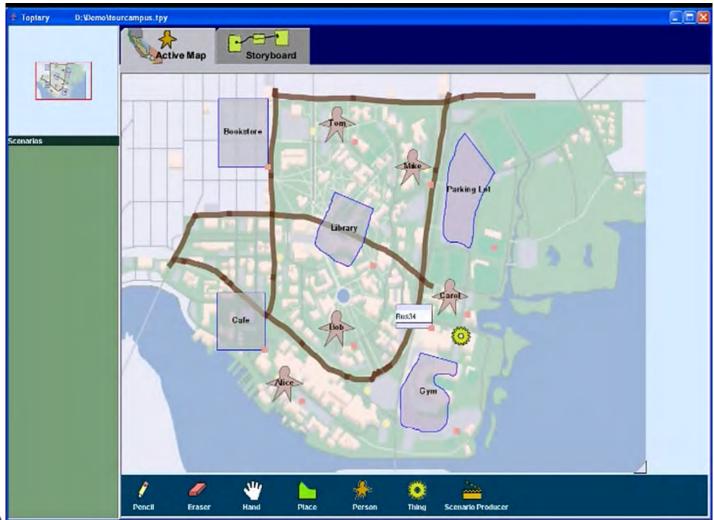


Topiary (2004)





Topiary (2004)





Activity Designer (2008)

ActivityDesigner

Activity-Based Prototyping of Ubicomp Applications

Yang Li & James Landay

Computer Science & Engineering University of Washington

Intel Research Seattle

January 2008





Designer's Outpost (2001)





Designer's Outpost (2001)





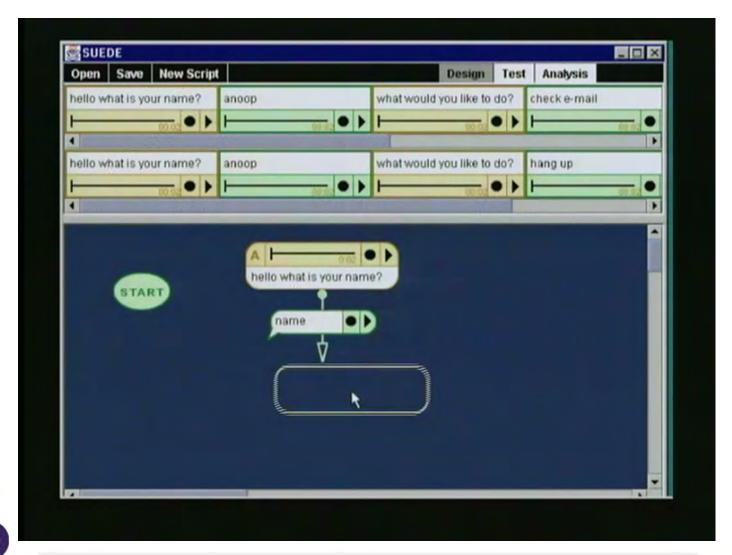
FrameWire (2010)

FrameWire

- analyzes paper prototype test video
- extracts interaction logic
- generates functional prototypes

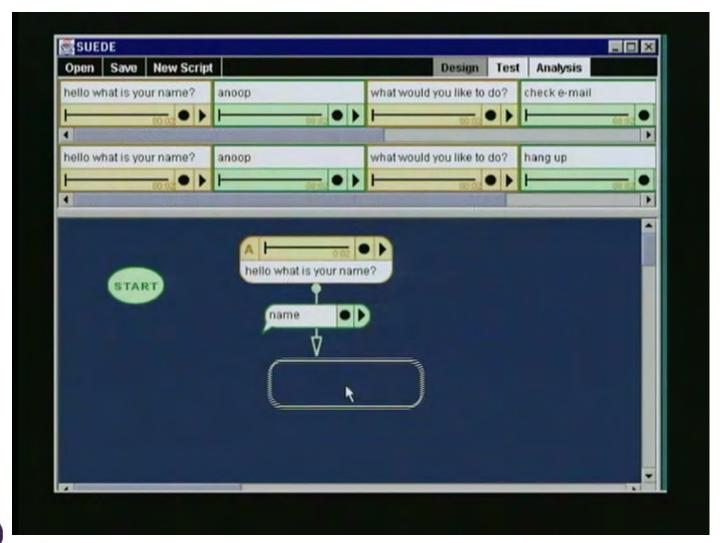


SUEDE (2000)



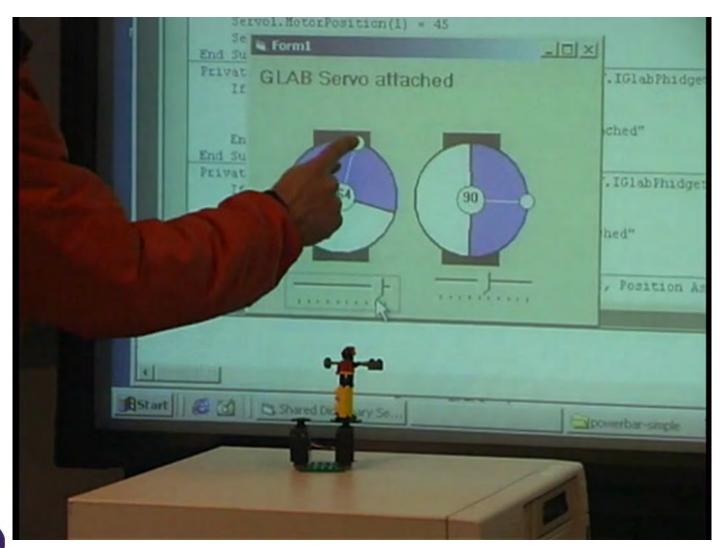


SUEDE (2000)



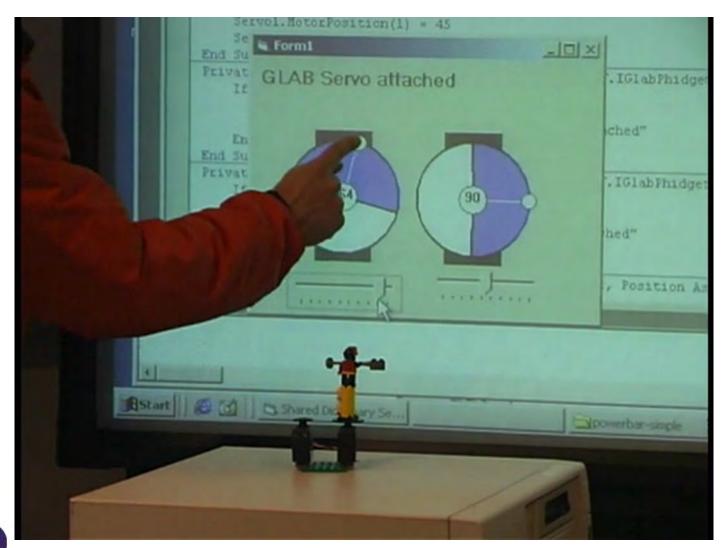


Phidgets (2001)



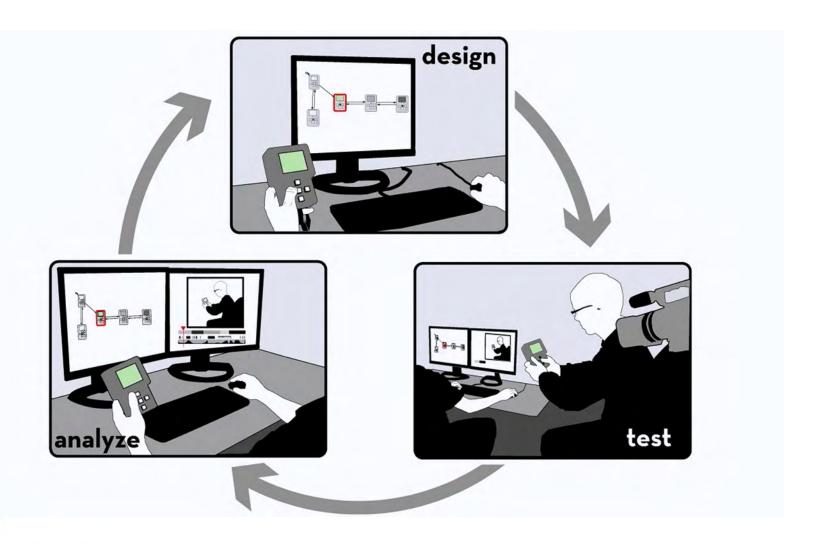


Phidgets (2001)

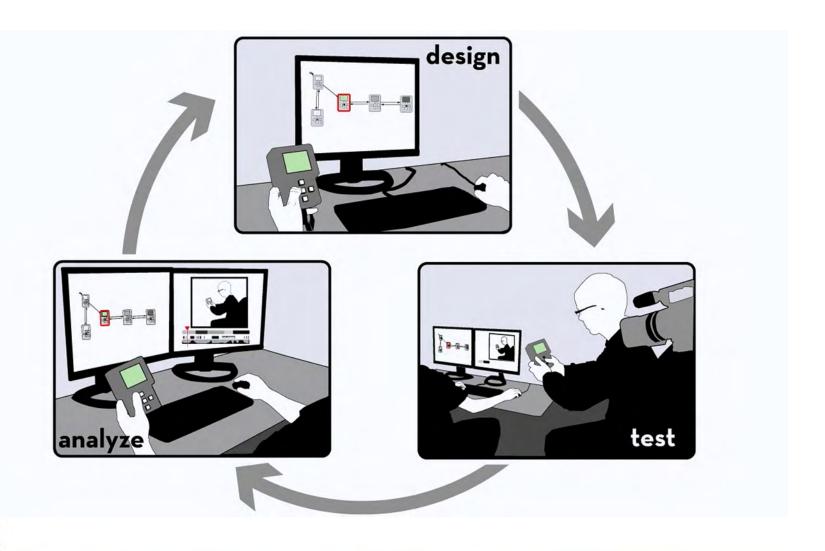




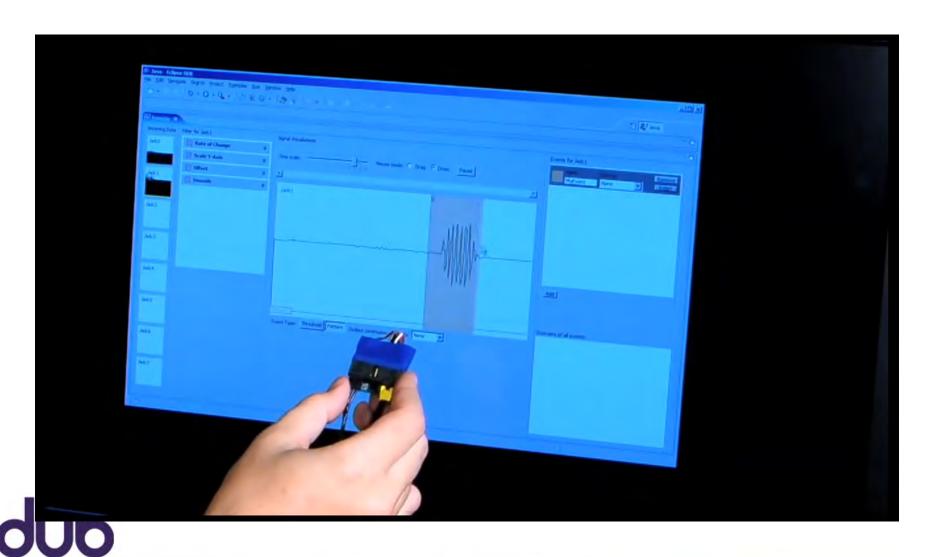
d.Tools (2006)



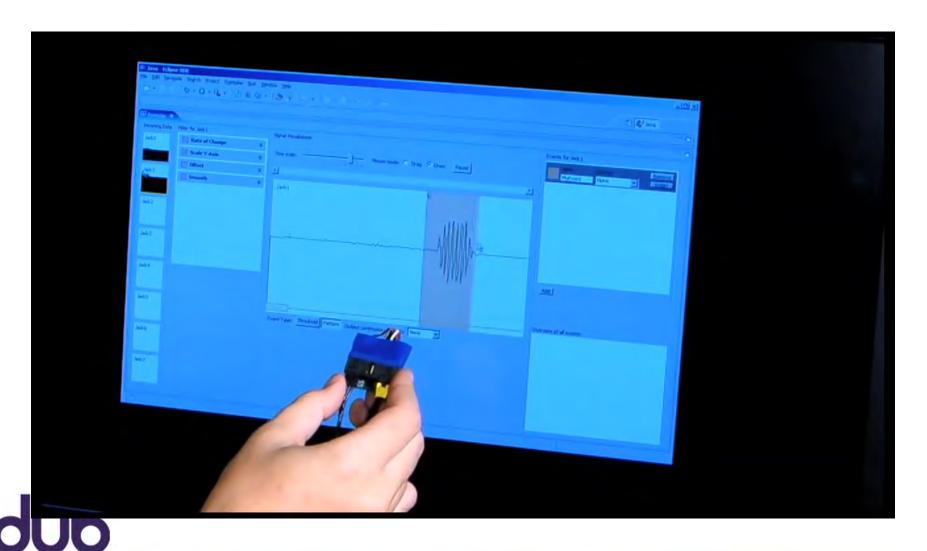
d.Tools (2006)



Exemplar (2007)



Exemplar (2007)



Constructable (2012)

University of Washington



WirePrint (2014)

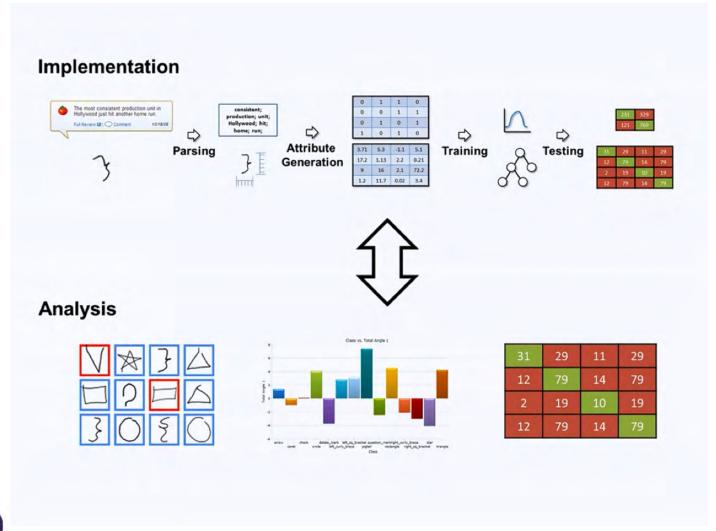


faBrickation (2014)

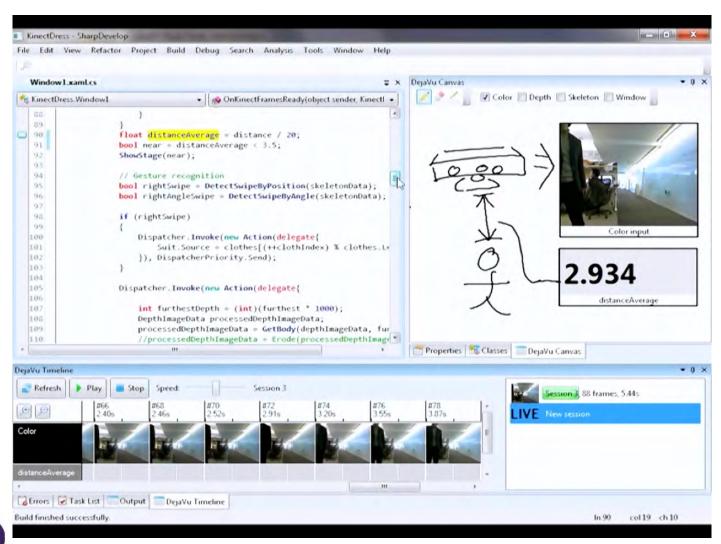
University of Washington



Gestalt (2010)

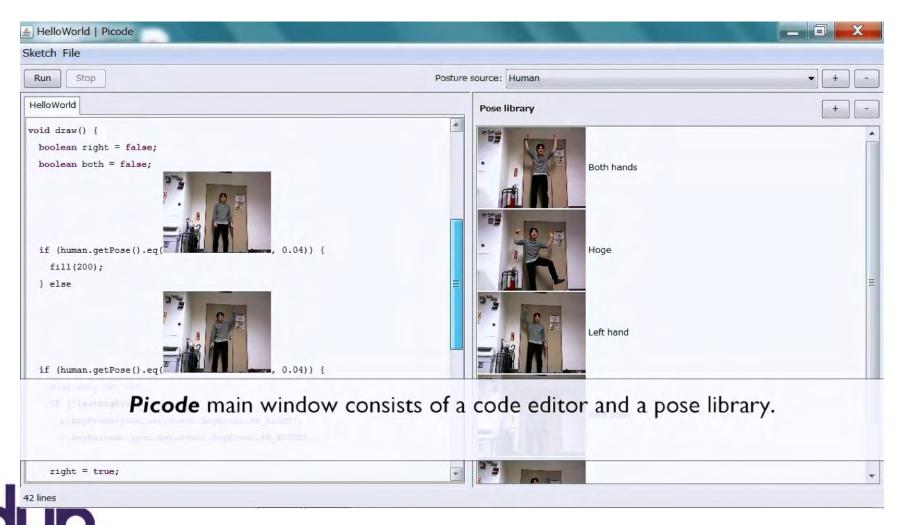


DejaVu (2012)





Picode (2013)



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