

# Pen and Touch Research at Brown University

Andries (Andy) van Dam Brown University July 8, 2015

Faculty Summit **2015**July 8-9, 2015

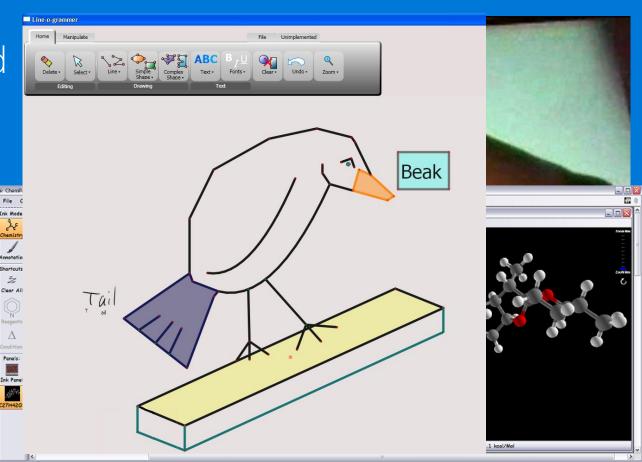


#### 2001 – 2010 – Tablet Research (1/2)

Music Notepad

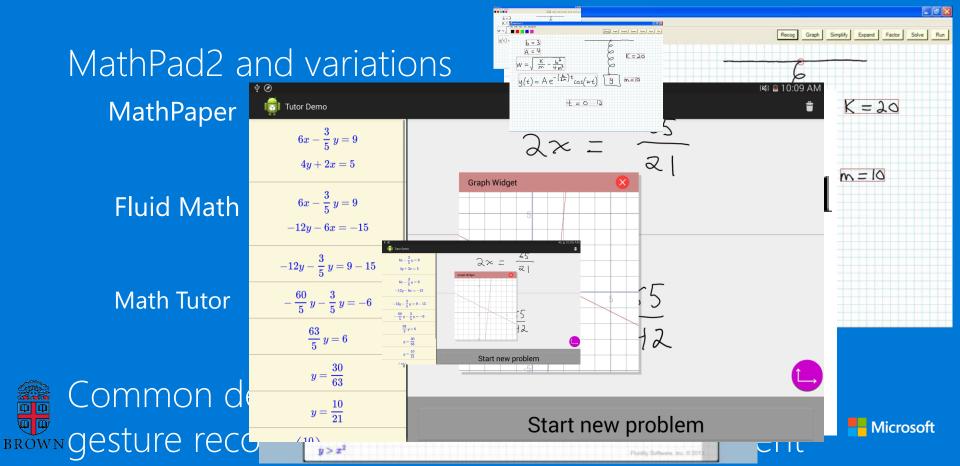
Lineogrammer

ChemPad





## 2001 - 2010 - Tablet Research (2/2)



#### 2011 - ... Surface Research

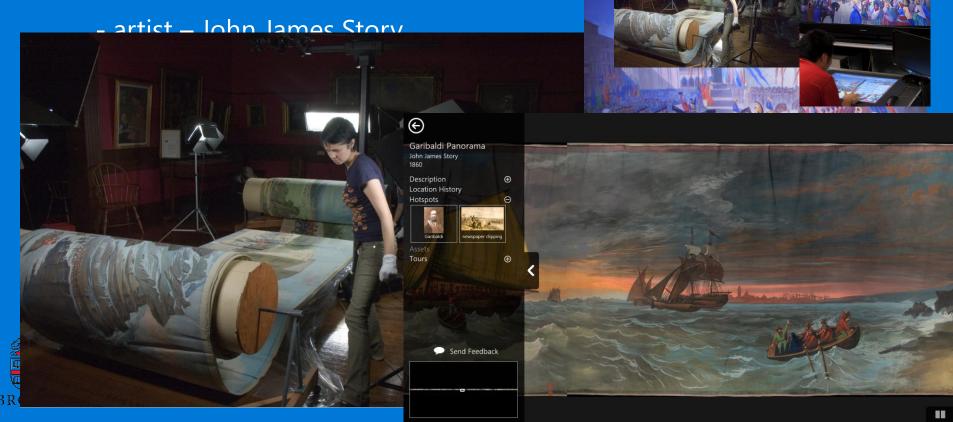
- Because of smartphones and tablets pen and touch Uls have become mainstream
- Interesting research problems e.g multi-modal collaborative UIs
  - HUB + Surfaces provide great experimental platforms





## Current Surface/HUB Research Projects (1/2)

(Garibaldi Panorama explorer)



#### Current Surface/HUB Research Projects (2/2)

PanoramicData – Friday's co-located event

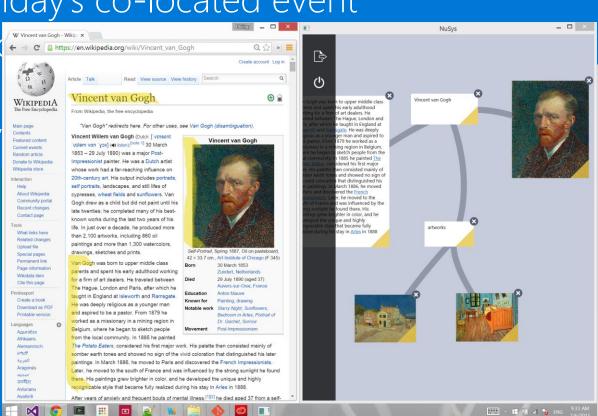
"Digital Ink and Touc

TimeSketch - Friday

Shaper - Friday

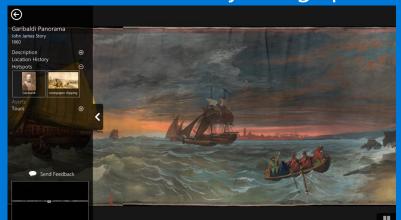
NuSys - Friday





# TAG (Touch Art Gallery) 1/2

- Schild Procurse
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  was all to the
- TAG lets curators, educators, ... create, contextualize, and snare digital collections
- Kiosk mode for walkup users
  - –explore even the largest artworks with familiar touch gestures
  - -interact with multiple artworks simultaneously using split screen
  - –view interactive tours





## TAG (Touch Art Gallery) 2/2

- Authoring mode for non-digerati
  - KISS design principle
  - direct manipulation only, no scripting
  - time line for authoring
- Content is stored in the cloud
- Kiosk mode runs on browsers
- Authoring mode on Windows 8/8.1
- Sponsored by Microsoft Research





