Ben Mears '11
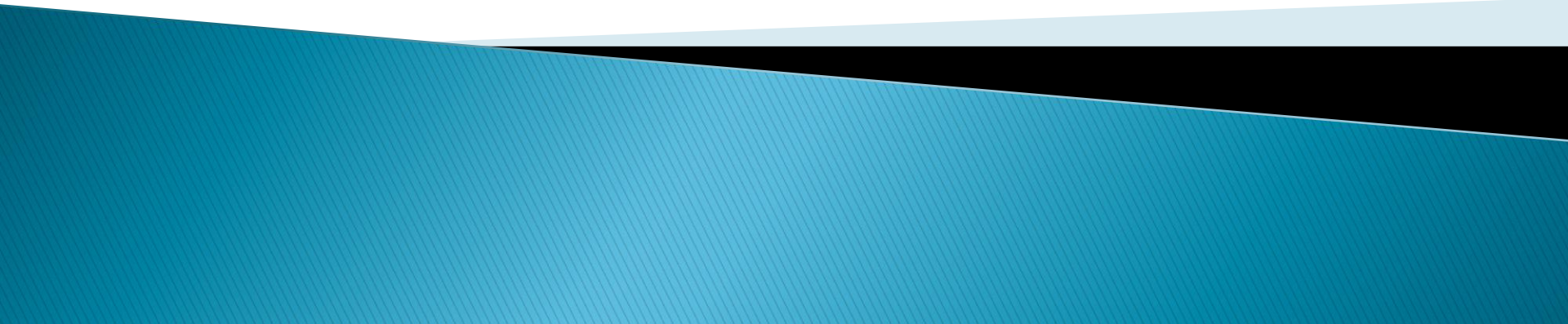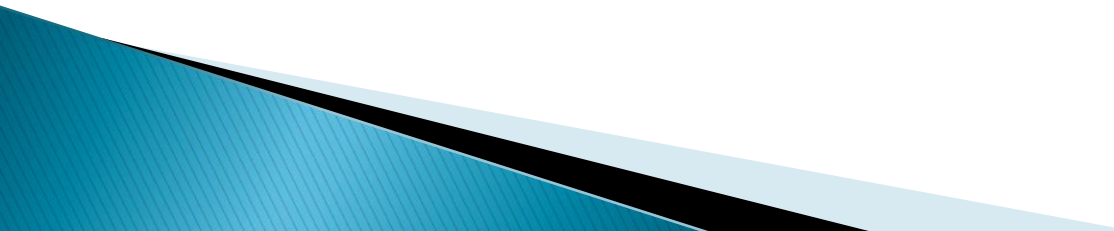
Amherst College

# About Me…

- From Rochester, NY (Upstate NY)
- Computer Science and Math major at Amherst College
- One brother (22…a software engineer at Vista Print in Boston), one sister (24…dance instructor)
- Like to run and bike

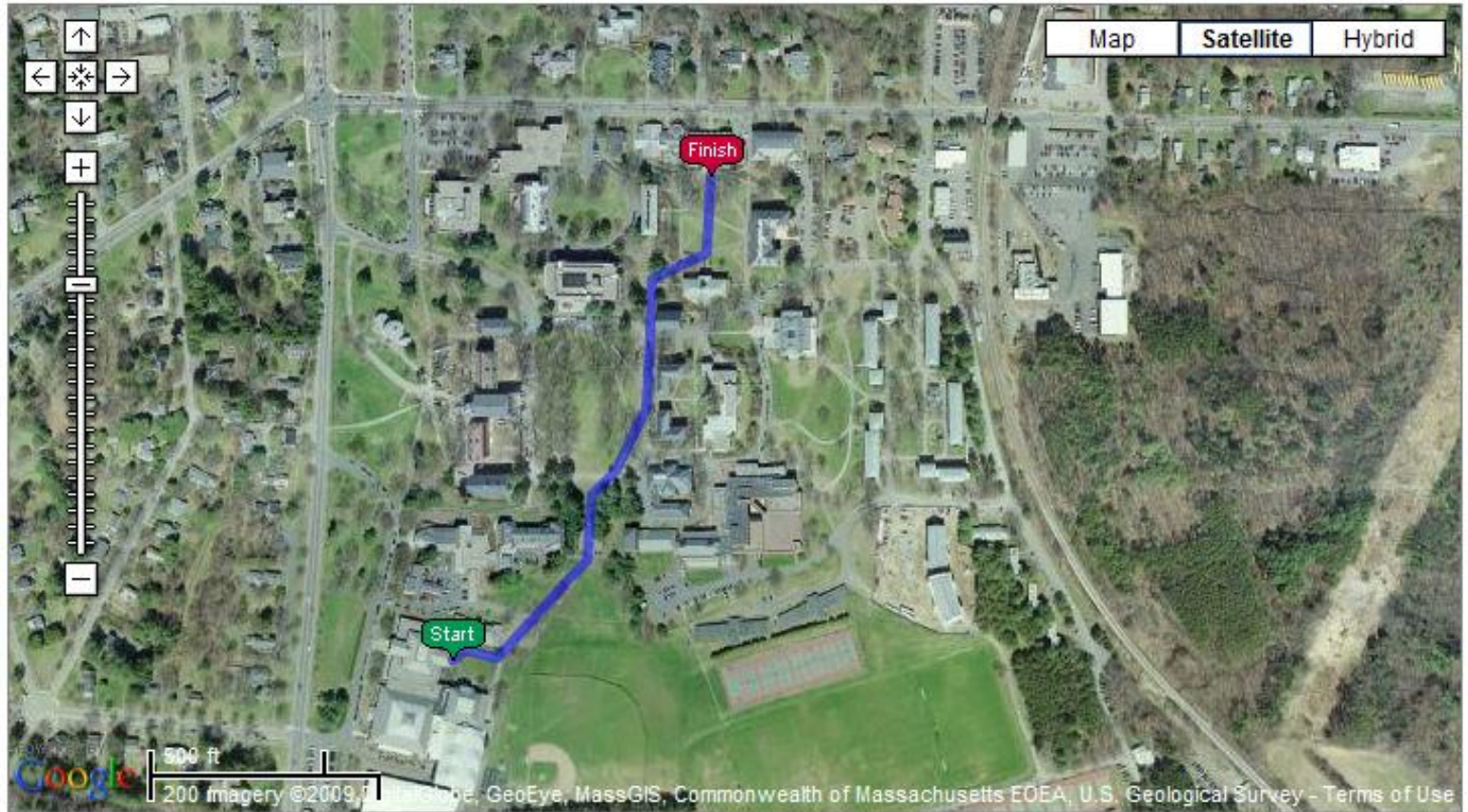# And now some Amherst/UCF comparisons…

	Amherst College	**UCF**
Founded	1821	1968
Mascot	Lord Jeff	Golden Knights
Sports	Division III	Division I
Faculty	223	1428
Degrees Offered	34	225

Total Students

A "Long" Walk at Amherst College

Distance:
0.33 miles
0.54 km
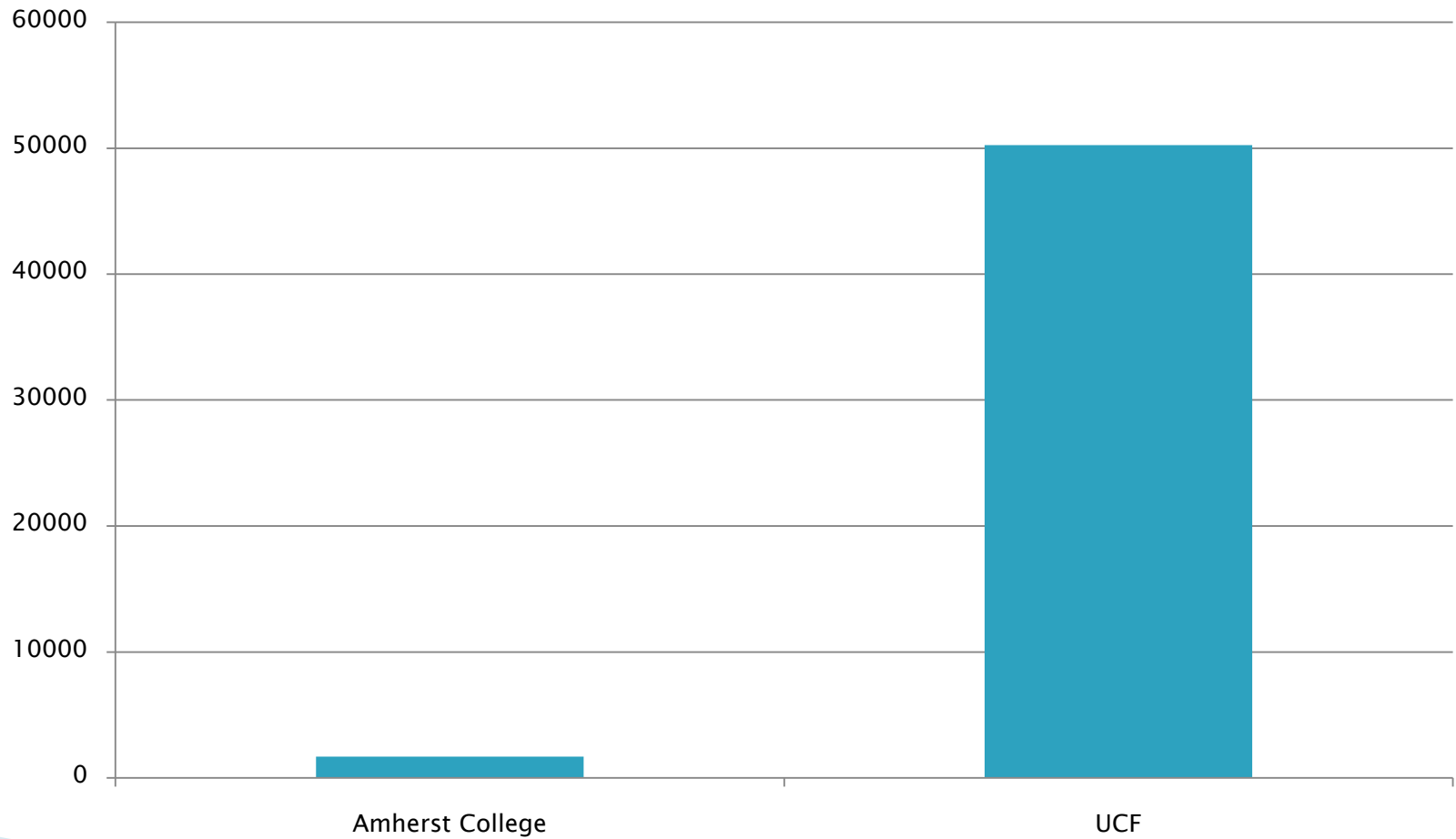
A Similar Walk Through Pegasus Landing
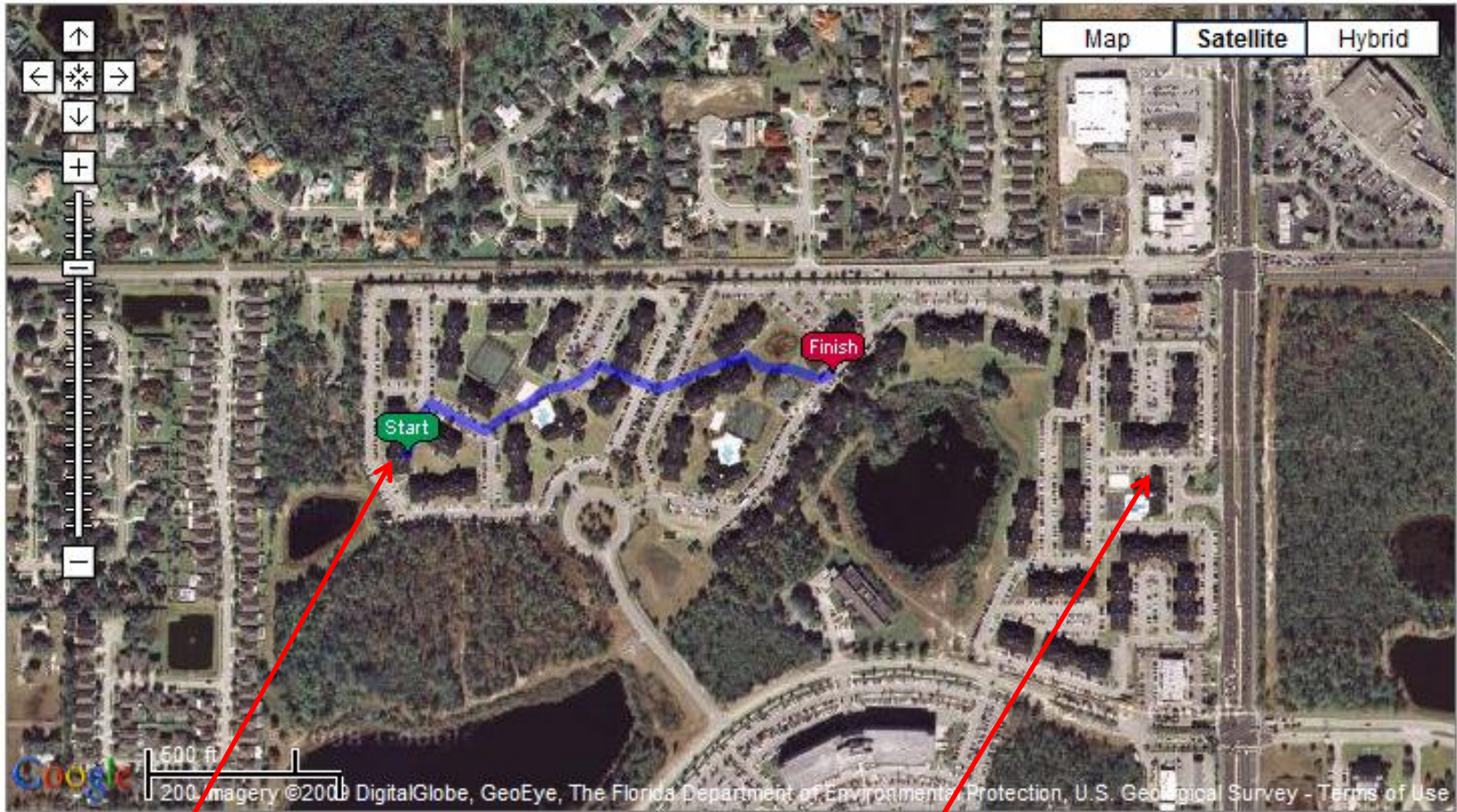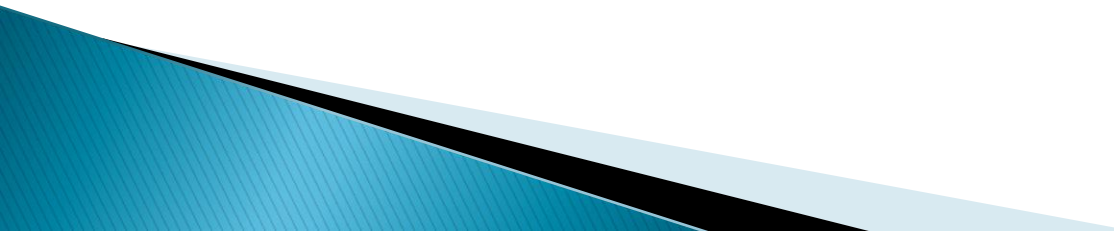

My Apartment

Not quite to the front yet!
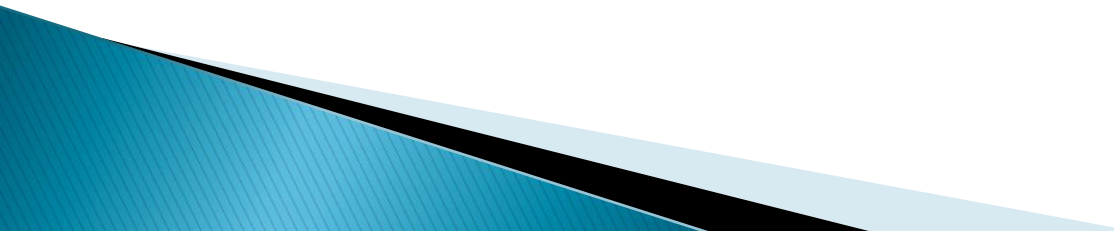
The Longest You will EVER walk at Amherst College

And a similar walk at UCF...

What I've Found Interesting…

- Computer Vision is everywhere…
- UAV's:
  - Aerial Action detection/classification
  - Vision to land the UAV
  - Distributed Smart Cameras
- Extraction/combining of actions of interests
- With new trends/developments in computer science and culture, new applications for C.V. emerge:
  - YouTube
  - FaceBook

Edge Detection

- Seems like such a simple task…
- Many methods each with their own advantages/disadvantages
- Steepest descent method

My Result
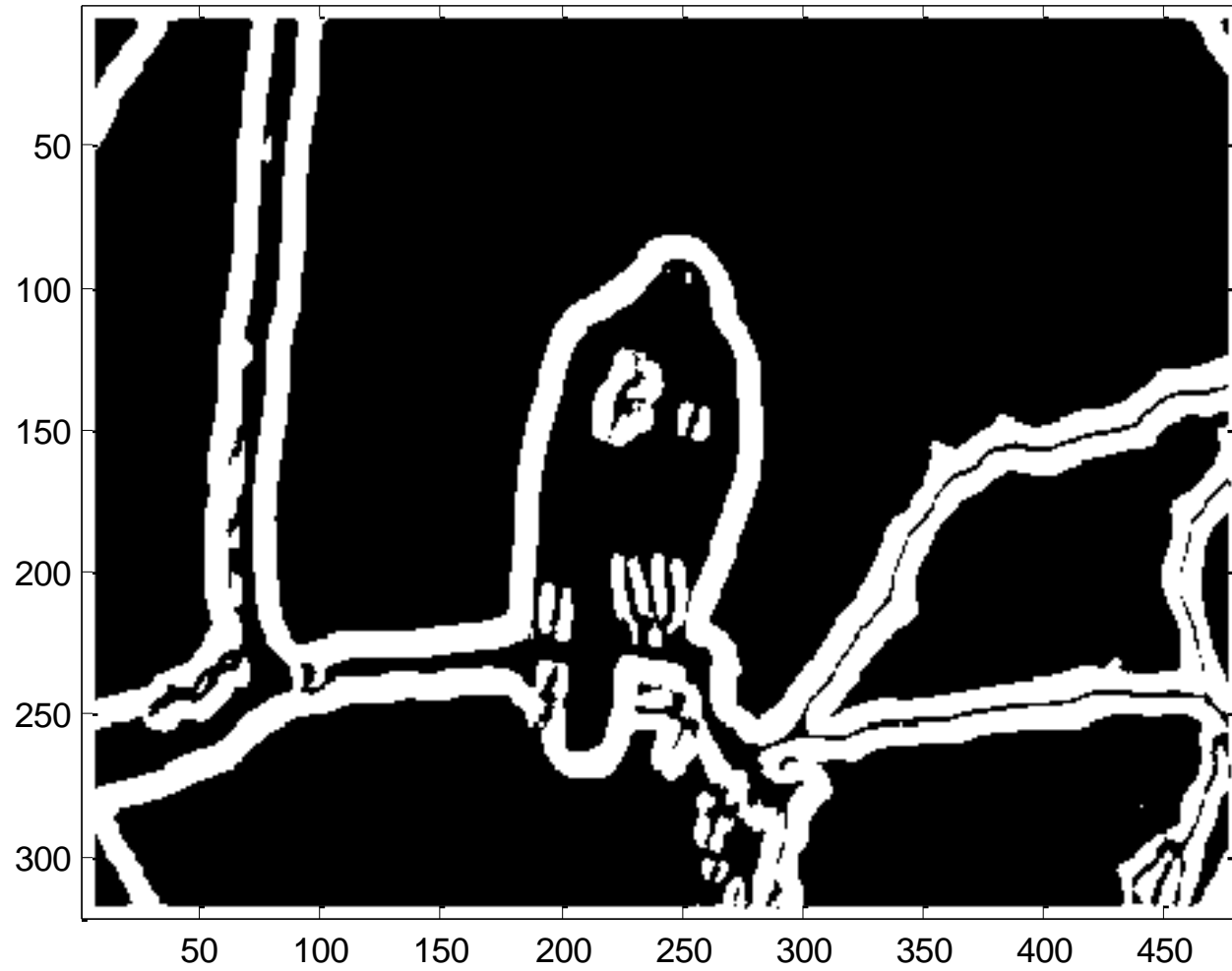
Result with Canny Edge detector (threshold of .5)

Conclusions

- Obviously I still have some work to do!
  - Am going to play around with choosing some different features to see if I can improve the results
- Will begin talking to others in the lab to formulate ideas for projects
  - Action detection/classification??