Plan for today

- Administrative stuff
- Development (IDE, C/C++ stuff)
- Assignment 0
I’m Aleksey.
There is also Vladimir (Vova) - He uses Mac

My office hours:
418a, Thursday 7pm

Mailing list / PIAZZZZZZZA
Currently:
- Fridays, 11am, CS105
- Fridays, 3pm, CS105

Changes are possible and even probable!

Content:
- Supplement to lectures
- Concern assignments and related technicalities
Development

Read the COMPILER.txt

- **Windows**
  - VS 2010 – assignments have .sln files

- **Linux & cygwin**
  - Install necessary packages
    - How?
      - For cygwin – run setup.exe and look for the packages you need
      - Other: [http://laptoplogic.com/resources/a-beginners-guide-on-how-to-install-linux-software](http://laptoplogic.com/resources/a-beginners-guide-on-how-to-install-linux-software)

- **Macs**
  - Install XCode IDE
Assignment 0

- R2Image
- R2Pixel
- impro
- Run
- Writeup
- Submission
Access a pixel:
• Pixel(int x, int y)

Set a pixel:
• SetPixel(int x, int y, const R2Pixel& pixel)

Tip: Check the .h file before you want to implement any functionality – much of it is already there!
R2Pixel pixel:
- Four Channels (R, G, B, Alpha)
- Component access
  - \( x = \text{pixel.Red()} \iff x = \text{pixel[0]} \iff x = \text{pixel.Component(0)} \)
- Set components
  - \( \text{pixel.SetGreen}(0.5) \iff \text{pixel[1]} = 0.5 \)
- \( \text{pixel.Clamp()} \)

**Tip**: Check the .h file before you want to implement any functionality – much of it is already there!
HTML for the write-ups

- Layout
- Tags
- More elaborate tutorial
Assignment 0

Show
- Impro
- Running
  - Cygwin/Linux/Mac
  - VS command prompt
- Writeup

Submission
- Preserve directory tree
- ZIP files
- Naming zip file: johndoe_cos426_assignment0.zip
- Submit via Dropbox