Installing Dave Shinsel's robot software onto a new computer

Install the prerequisites

- Win7 (I use win7 64 bit professional)
- Visual Studio 2010 (I use professional)
- MSDN from the same disk
- OpenCV 2.0 – Install to C:\OpenCV2 Optional (if you want to use the camera stuff)
- Optional: Install GPA to enable Tracing (www.intel.com/software/gpa) (or in the code ignore all "ITT_" calls)
- Install Microsoft Kinect SDK 1.x
- Plug in the Kinect using a known good power source, and run the samples, make sure it is all working! Be patient, it takes a while to enumerate and install all the drivers!
- For Kobuki base on windows:
  Disable Microsoft Serial Mouse! Some FTDI serial ports are incorrectly identified as a mouse
  Regedit: HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\sermouse
  Key: **Start**
  Value: **3** → Change to **4**, which is Disabled and it will stop this problem occurring
  http://stackoverflow.com/questions/9226082/device-misdetected-as-serial-mouse

Git the robot source code

- Install the git client
- Start the Git Shell
- Cd c:\dev
- Git clone git://github.com/shinselrobots/Robots.git

Update Visual Studio paths as needed:

- Open: Project → Robot Properties…
- Confirm all the paths exist and are correct:
    - C++ → General → Additional Include Directories
    - Linker→ General → Additional Library Directories
    - Add the following to the System Path
      (Computer→Properties→Advanced System Settings→Environment Variables)
    - ;C:\OpenCV\bin;