# Installation Guide

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## 1 Linux

If you are using Linux you should know what to do. You are going to need `git`, `make`, `C++`, `python 2.7`, `numpy` `matplotlib` and `OpenCV`.

## 2 Windows

### 2.1 Cygwin

Install `Cygwin` (`cygwin.com/install.html`)in order to have access to the full set of Linux commands (or install Linux and be happy).

### 2.2 Mingw

Install mingw (*Minimalist GNU for Windows*) to have access to common GNU commands like make, c++ compiler, among others. Download the latest version from `http://www.mingw.org/` and follow the installation steps. For the purpose of this project you will need `mingw-developer-toolkit`, `mingw32-base`, `mingw32-gcc-g++` and `msys-base`.

Add the environment variables to your system using the *Getting Started* guide of the mingw website.

### 2.3 Git

Download the `git` app for Windows `http://msysgit.github.com`. When installing, select the option "Use Git and optional Unix tools from the Windows Command Prompt".

Using this you will have access to the latest version of the code. Create an account on Github and get a copy of the repository (`https://github.com/kelwinfc/colposcopy`).

Create a `SSH Key` using the guide `help.github.com/articles/generating-ssh-keys`. Using the `Git Bash`.

## 2.4 Python

Download the 2.7 version of `python` from `https://www.python.org/download`. Follow the steps to effectively install it.

In order to have access to python from everywhere in your computer follow the steps specified in `https://docs.python.org/2/using/windows.html` to add the environment variables to your system (steps 3.3.1-3.3.2).

## 2.5 OpenCV

## 2.6 WxPython

## 2.7 Numpy