Software Hardware List

number	Software required (With version)	Free/Proprietary	If proprietary, can code testing be performed using a trial version	If	Download links to the software	Hardware specifications	OS required
1 - 11	Anaconda 5 (Python 2.7 version)	Free	N/A	N/A	https://www. anaconda.com/ download/	64-bit Intel/AMD PC, 8 GB RAM	Windows 10, Ubuntu 16.04
2-11	CUDA 9.2	Free	N/A	N/A	https:// developer. nvidia.com/cuda- 92-download- archive	Nvidia 1050 GPU or higher	Windows 10, Ubuntu 16.04
2-11	PyCUDA (latest)	Free	N/A	N/A	https://github. com/inducer/ pycuda https://www.lfd. uci.edu/~gohlke/ pythonlibs/ #pycuda		Windows 10, Ubuntu 16.04
7	Scikit-CUDA (latest)	Free	N/A	N/A	https://github. com/lebedov/ scikit-cuda	Nvidia 1050 GPU or higher	Windows 10, Ubuntu 16.04
2-11	Visual Studio Community 2015	Free	N/A	N/A	https:// visualstudio. microsoft.com/ vs/older- downloads/	64-bit Intel/AMD PC, 8 GB RAM	Windows 10

Detailed installation steps (software-wise)

Please see chapter 2 for explicit setup instructions for both Windows 10 and Linux. I have used Anaconda Python 5 distribution for Python 2.7 and CUDA 9.2 to test all examples in this text, although CUDA 10.x or any later version should also work. I have tested all code examples in this book under both Windows 10 (using Visual Studio Community 2015) and Ubuntu 16.04.