

CS 5330: Pattern Recognition and Computer Vision

Northeastern University

OpenCV Workshop

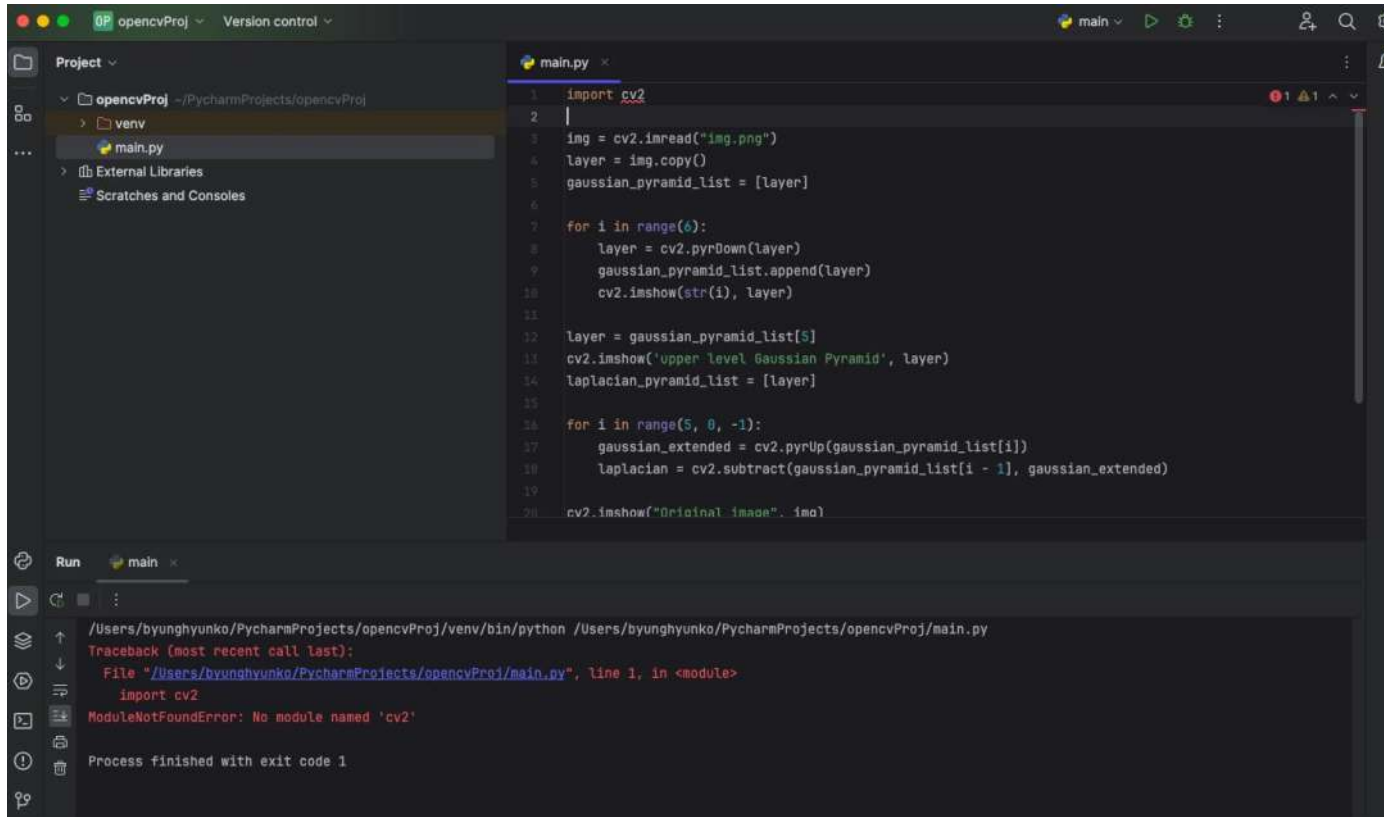
Lab 1: Setting up OpenCV

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Setting up OpenCV

1. Setting up OpenCV in PyCharm
2. Setting up OpenCV in Visual Studio Code
3. Setting up OpenCV in Command Line

Setting up OpenCV in PyCharm



- If I try import cv2 without having the module, will get a "Module Not Found Error"

Importing CV2 on PyCharm

- Click on "Files" on the top-right corner of your screen
- Click on "Settings" and then to Project: "Name of Your Project"
- Click on "Python Interpreter" (On Mac, you can find "Settings" under the "PyCharm" Menu)
- Then expand on the box that's next to "Python Interpreter: " and click "Show All"
- Click on Python 3.10 so it is highlighted then click "OK"
- Click on the "+" sign that is right above "Package"
- Search "opencv-python" and then install the package

Setting up OpenCV in Visual Studio Code

- On the new terminal
- On your terminal run the following commands:
 - `python -m venv myenv`
 - `.\myenv\Scripts\activate`
 - `pip install opencv-python`

Info from:

https://www.youtube.com/watch?v=ZQclFCBeSgM&ab_channel=TheCodeCity

Setting up OpenCV in Command Line

- Terminal on Mac (or cmd.exe in Windows)
- Create Virtual Environment
- Install OpenCV

```
$ pip3 install opencv-python
```

- Test

```
$ python3 -c "import cv2; print(cv2.__version__)"
```