

# Python Tips and Tricks

---



**Bo Milanovich**

PYTHON WIZARD

@pythonbo pythonbo.com



# Module Overview

**Virtual Environments (virtualenv)**

**Debugging a Python program**

**Creating executable files**

**Creating installation wizards**



# Virtual Environments

---



# Your Web App

**Python environment**



**Django 1.8 LTS**



# Virtual Environments

**Client Python virtualenv**



**Django 1.8 LTS**

**Personal Python virtualenv**



**Django 1.11**

```
pip install virtualenv
```

Installing the virtualenv package



# Creating Virtual Environments

# From Terminal / PowerShell:

```
virtualenv <env_name>
```

```
virtualenv pluralsight # Example
```

```
virtualenv --python=python2.7 pluralsight
```

# Keep them in one folder – e.g. /home/pythonbo/venvs



# Using Virtual Environments

```
# Virtualenv created in /home/pythonbo/venvs/pluralsight  
$ source /home/pythonbo/venvs/pluralsight/bin/activate  
# Prompt  
(pluralsight) PythonBo $
```





# Exiting a Virtual Environment

`deactivate`



# Debugging Python Code

---



# Creating an Executable File from a Python App

---



# pyinstaller

A Python package that converts your Python code to an executable



# Creating a Setup Wizard

---



# Course Conclusion

---



**Bo Milanovich**

PYTHON WIZARD

@pythonbo pythonbo.com

