

Inland Empire Python User Group (IEPUG)



06/19/18 meeting

IEPUG intro

- who we are
- don't feel you need to stay the whole time

Sponsors:

Thanks to RiversideI/O & Excite for hosting our meetings

<http://www.riverside.io/en>: co-working space in downtown Riverside

<https://exciteriverside.org/>: a unique tech business acceleration program: created in collaboration between business leaders, the City and County of Riverside, and the University of California Riverside



Books (new):

MagPi issue 70 list 3 new python books

Python Without Fear

Learn More Python 3, The Hard Way

Effective Python: 59 Specific Ways to Write Better Python

PYTHON WITHOUT FEAR

Author: Brian Overland
Publisher: Addison-Wesley
Price: £29.99
ISBN: 978-0134687476
magpi.cc/FyNyPg



An old-school intro that gets it right, thanks to clarity, good pacing, and a well-judged balance between showing, and then pushing the reader to try; with well-chosen examples, and enough background 'why'.

LEARN MORE PYTHON 3 THE HARD WAY

Author: Zed A Shaw
Publisher: Addison-Wesley
Price: £32.99
ISBN: 978-0134123486
magpi.cc/LpFjqH



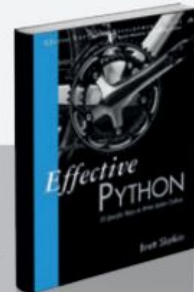
Zed Shaw demands hard work from his pupils, but in return promises to improve your code skills, with emphasis on process, creativity, and quality. Recommended for junior programmers with aspirations.

RASPBERRY PI BESTSELLERS ADDISON-WESLEY

Although best known for its Comp-Sci classics on C++ & Java, this publisher can also guide you on your Python journey.

EFFECTIVE PYTHON: 59 SPECIFIC WAYS TO WRITE BETTER PYTHON

Author: Brett Slatkin
Publisher: Addison-Wesley
Price: £29.99
ISBN: 978-0134034287
magpi.cc/EtpiHy



Python is easy to pick up if you can already program in another language, but you'll miss out on a lot of the tricks, to say nothing of true pythonic style, without a native guide – and this is the best.

Books II:

Invent With Python: free on-line/PDF beginner: <https://inventwithpython.com/chapters/>

ThinkPython: beginner book: <https://www.amazon.com/Think-Python-Like-Computer-Scientist/dp/1491939362>

Foundations of Python Network Programming

<https://www.amazon.com/Foundations-Python-Network-Programming-comprehensive/dp/1430230037>

Automate the Boring Stuff with Python

<https://www.amazon.com/Automate-Boring-Stuff-Python-Programming/dp/1593275994>

Python 3: Python 3 Object-oriented Programming

<https://www.amazon.com/Python-Object-oriented-Programming-Building-maintainable>

Packt Publication: \$10 Python eBooks and Videos: <https://www.packtpub.com/tech/Python>

IDEs:

Idle (<https://en.wikipedia.org/wiki/IDLE>) default install

Notepad++ (<https://notepad-plus-plus.org/>)

Geany (<https://www.geany.org/>)

bluefish (<http://bluefish.openoffice.nl/index.html>)

Atom (<https://atom.io/>)

VSCode (<https://code.visualstudio.com/>): MS's answer to Atom

Eric6 (<https://eric-ide.python-projects.org/>)

-a member mentioned it is a challenge to get installed

Jupyter Notebook (<http://jupyter.org/>) also a code presenter (see 'Tools' slide)

PyCharm: powerful IDE for Python (Community Edition is free) <https://www.jetbrains.com/pycharm/>

Visual Studio (Community edition is free) <https://www.visualstudio.com/vs/community/>

Comparison of Python IDEs:

https://en.wikipedia.org/wiki/Comparison_of_integrated_development_environments#Python



Web sites:

CodeCademy: has two Python classes

<https://www.codecademy.com/catalog/language/python>

Google's Python Class:

<https://developers.google.com/edu/python/>

local on-line community college Python classes:

MSJC: python classes: CSIS-116E & CSIS-126E

<https://www.msjc.edu/Catalog/Documents/Catalog2017-2018/Catalog2017-18.pdf>

Tools:

Jupyter Notebook (<http://jupyter.org/>): an interactive computing environment that enables users to author notebook documents that can include live code and interactive widgets
more reference: http://jupyter-notebook-beginner-guide.readthedocs.io/en/latest/what_is_jupyter.html

Python Virtual Environment: a tool for working with your Python packages in isolation
(<https://realpython.com/blog/python/python-virtual-environments-a-primer/>)

Coding web sites:

PythonProgramming (<https://pythonprogramming.net/>):
member recommended beginner-intermediate website

CodingBat (<http://codingbat.com/python>): coding practice site designed for the beginner that presents basic coding challenges, allows you to enter the code right in the web page

CodeWars (<https://www.codewars.com/>): another challenge site

HackerRank (<https://www.hackerrank.com/>): a site that offers Python challenges (you need to have a login)

Python resources:

OCPython: US.CA.Orange County's Python Community Group

<https://www.meetup.com/OCPython/>

San Diego Python Users Group

<https://www.meetup.com/pythonsd/>

Trey Hunner's Weekly Python Chat (he did a presentation on Iteration for our group last summer):

<http://treyhunner.com/>

<https://www.weeklypython.chat/>

Learn to code with me Podcast: a member mentioned they liked this podcast

<https://learntocodewith.me/podcast/>

Other groups:

Other groups that meet at RiversideIO/Excite:

Riverside Raspberry (<https://www.meetup.com/Riverside-Raspberry/>)

Riverside Ruby User Group (<https://www.meetup.com/Riverside-Ruby-User-Group/>)

IE Wordpress (<https://www.meetup.com/inlandempirewp/>)

Other Tech MeetUps in the IE:

Inland Empire Tech Happy Hour (<https://www.meetup.com/ietechies/events/>)

Other SoCal groups:

SoCal IT Professional Association (<https://www.meetup.com/SoCalITPros/>)

Meeting notes:

Books:

GreenTeepress (<https://greenteapress.com/wp/>): all book are free online

2 scoops of Django (<https://www.twoscoopspress.com/>)

Online classes:

Udemy Python classes (<https://www.udemy.com/complete-python-bootcamp/>)

Isaac: should list online Programming courses for beginners (not just Python)

Programs that have Python interface:

FreeCAD (<https://www.freecadweb.org/>)

Blender (<https://www.blender.org/>)

OpenSCAD (<http://www.openscad.org/>)

Meeting notes II:

In the Cloud (movie: <https://www.imdb.com/title/tt7381444/>) about a tech company, which is developing software capable of uploading a person's consciousness and memories to a virtual space

Punch card reader using Python/Arduino:

<http://codeincluded.blogspot.com/2012/07/punchcard-reader-software.html>

<https://www.youtube.com/watch?v=KG2M4ttzBnY>

A member was having problems defining/instantiation a class: as a group we looked at their code and found a syntax error in the line above the line that was listing the error (a common but obscure problem) and there were issues in the syntax of how they were instantiating the class and calling the class methods.

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