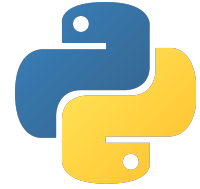


IOT202 – Introduction to Data Science using Python



Python is a high-level programming language that is widely in use today. Python code is highly readable, and its syntax ensures programmers write code that is properly-indented and clear. Python is supported on most platforms and is well suited for a wide variety of tasks – ranging from automating your daily platform tasks, to running as a standalone Web Server.

In this workshop, you will venture into the world of Data Science! You will learn how you can use the various libraries and tools with Python to turn your data into your most valuable assets!

Topics

- Introduction to Data Science
- Using the Scientific Libraries in Python (**SciPy**)
 - **NumPy**
 - NumPy is a Python extension module that provides efficient operation on arrays of homogeneous data
 - **Matplotlib**
 - Matplotlib is a mature and popular plotting package that allows you to create 2D and 3D plotting
 - **Pandas**
 - Pandas provides high-performance and easy to use data structures
 - **IPython**
 - IPython provides a rich interactive interface, letting you quickly process and test ideas
 - **Sympy**
 - Provides libraries for symbolic mathematics
- Implementing Data Visualization
 - Displaying Linear, Bar, and Pie Charts
- Performing Data Analysis

Prerequisites

- Basic programming experience
- Understanding of basic object-oriented programming concepts
- Attended **IOT201 – Learning Python Programming**

Hardware

- Mac / Windows laptop

Software

- To be provided



About Wei-Meng Lee



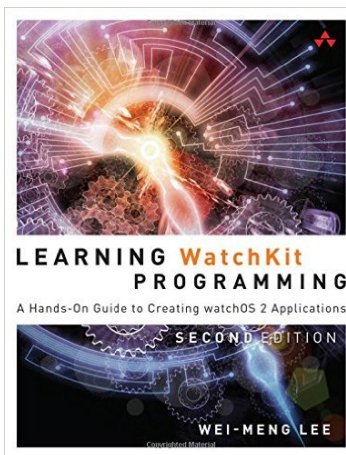
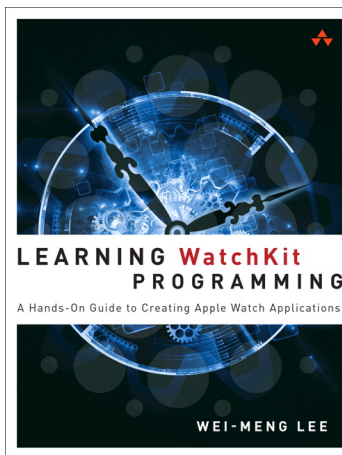
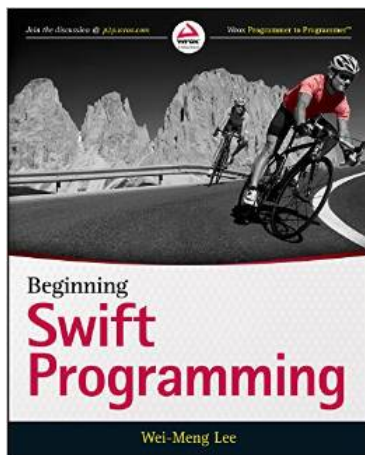
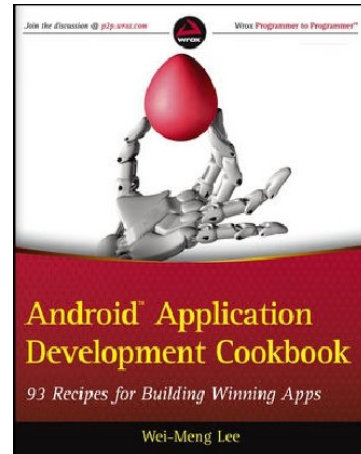
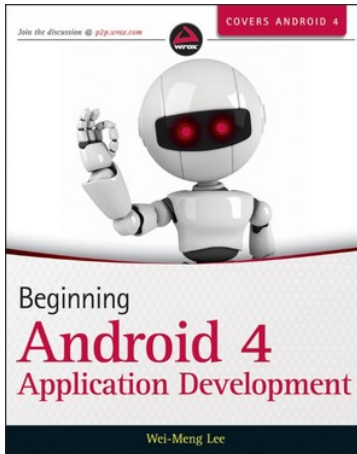
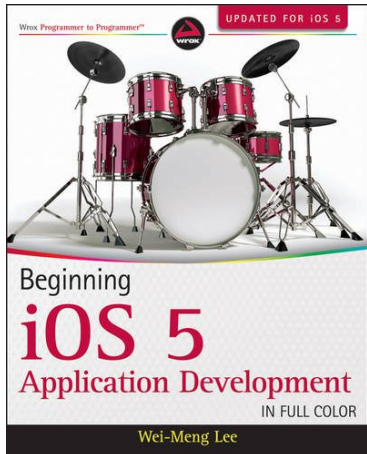
Wei-Meng Lee is a technologist and founder of Developer Learning Solutions (<http://www.learn2develop.net>), a technology company specializing in hands-on training on the latest mobile technologies. Wei-Meng has many years of training experiences and his training courses place special emphasis on the learning-by-doing approach. His hands-on approach to learning programming makes understanding the subject much easier than reading books, tutorials, and documentations. His name regularly appears in online and print publications such as DevX.com, MobiForge.com, and CoDe Magazine.

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- Singapore Management University (SMU)
- Singapore Polytechnic
- Singapore Pools
- Singapore Press Holdings
- Temasek Polytechnic
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- United States (US) Army



Books by Wei-Meng Lee





Course Application Form

Please email a signed copy to weimenglee@learn2develop.net

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Email:	
Name:	S\$
Email:	
Grand Total S\$	

Important Note

- Developer Learning Solutions reserves the right to cancel or reschedule the course.
- You can withdraw from the course provided you inform us **one (1) month** in advance before the commencement of the class. There will be no refund after this period and the full course fee will be billed.
- No-show policy: If a participant did not turn up for the course he signed up for, he will be billed 100% of the course fee.

I understand that participants have to bring their notebook computer for the course (for iOS related courses, the notebook must be a Mac).

Authorized Signature & Company Stamp

Name & Designation

Date