IOT201 – Applied Python Programming

Python is a high-level programming language that is widely in use. Python code is readable, and its syntax ensures programmers write code that is well-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 course, you will learn about the Python language, as well as explore the different types of projects that you can develop with it.

Topics

- **Language Syntax**
  - Strings
  - Collections
  - Numbers and operators
  - Variables
  - Making Decisions
  - Looping
  - Functions
  - Classes and Objects
- **Files Handling**
  - Reading and Writing Files
  - Manipulating XML files
- **Packages and Modules in Python**
  - Using Modules and Packages
  - Writing Modules and Packages
- **Projects**
  - Using JSON with Python
  - Using Python with MySQL
  - Sockets Programming using Python
  - Building a REST service using Python
  - Sending Android Push Notifications using Google Cloud Messaging (GCM)
  - Sending iOS Push Notifications using Apple Push Notification service (APNs)
  - Interacting with the Operating System using Python

Prerequisites

- Knowledge of basic programming and object-oriented programming concepts

Hardware

- Mac / Windows laptop

Software

- To be provided

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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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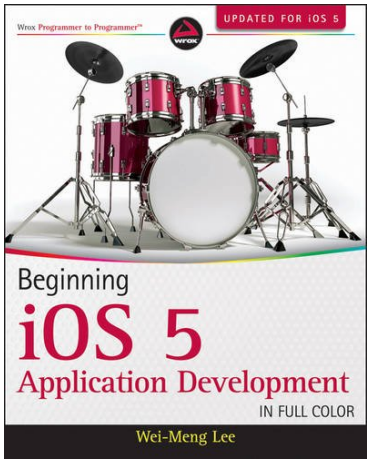
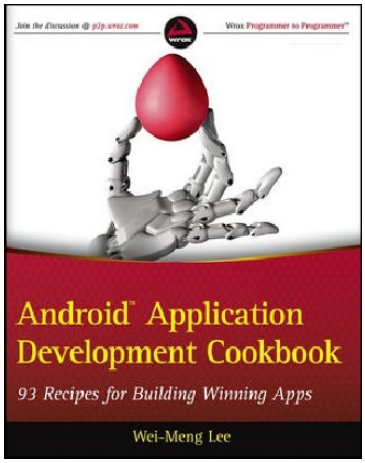
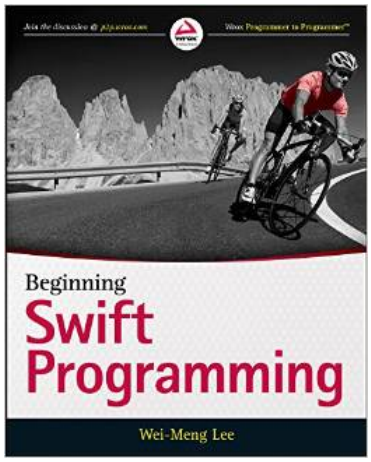
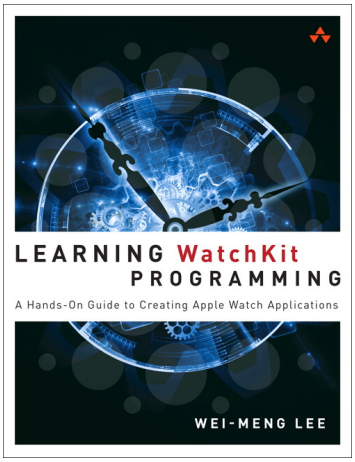
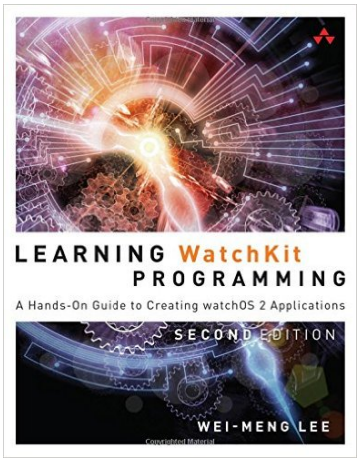
Books by Wei-Meng Lee











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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).

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