COMPUTER SCIENCE

COURSE INFOSHEET ONLINE PROGRAM

PROGRAM HIGHLIGHTS:

- Gain hands-on experience with the Python programming language by performing complex data analytics exercises.
- Students will learn executable Python code and create basic unit tests.
- Analyze data and extract patterns utilizing data science, artificial intelligence, and machine learning.
- Start thinking like a technologist and meet programmers and entrepreneurs who are creating the future.

ACADEMIC PROGRAM OVERVIEW:

The advent of smart infrastructures, wearable devices and Internet of Things (IoT) has enabled platforms through which large volumes of data can be easily captured and transferred over networks with no or minimum interaction from humans. Every individual nowadays can produce data in ways that were hard to imagine only a decade ago. Harnessing this data can help scientists and engineers achieve astonishing breakthroughs from building autonomous cars to developing personalized healthcare. However, capturing and collating data by itself cannot be useful unless we learn how to understand them, interpret them and how to extract patterns, often implicit, from them. As data scientists and engineers we need to be able to tweak data to be amenable to various techniques and sciences such as Artificial Intelligence, Machine Learning, etc. In this course, we will learn basic ideas behind data science, machine learning, statistics and AI. We will work on methods and techniques that are essential in most data driven projects. The curriculum is tailor-made to the skills of each individual student so beginner, intermediate, and advanced students are all welcome.

INSTRUCTOR:

Qi Zhao holds a Ph.D. in Computer Science from UCLA. At UCLA, he worked in the Internet Research Lab and Network Research Lab for computer networking research, and in 2014 he won the Computer Science Departmental Fellowship. He is passionate about teaching and has taught multiple introductory and advanced Computer Science courses both at UCLA and Summer Springboard.

ONLINE SESSION DATES

June 20 - 30, 2022

9:00 am - 12:00 pm PST
12:00 - 3:00 pm EST

TUITION
$1495

Link to Instructor Video:

Joe Qi Zhao, Ph.D.
Computer Science, UCLA