



5 Courses

Python Basics

**Python Functions, Files, and
Dictionaries**

**Data Collection and
Processing with Python**

**Python Classes and
Inheritance**

**Python Project: Software
Engineering and Image
Manipulation**



Dec 14, 2021

Pavel Liashkov

has successfully completed the online, non-credit Specialization

Python 3 Programming

This specialization teaches the fundamentals of programming in Python 3. We will begin at the beginning, with variables, conditionals, and loops, and get to some intermediate material like keyword parameters, list comprehensions, lambda expressions, and class inheritance. You will have lots of opportunities to practice. You will also learn ways to reason about program execution, so that it is no longer mysterious and you are able to debug programs when they don't work. By the end of the specialization, you'll be writing programs that query Internet APIs for data and extract useful information from them. And you'll be able to learn to use new modules and APIs on your own by reading the documentation. That will give you a great launch toward being an independent Python programmer.

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Paul Resnick *Stephen Oney*

Paul Resnick
Michael D. Cohen
Collegiate Professor
School of Information

Steve Oney
Assistant Professor
School of Information

Christopher Brooks

Christopher Brooks
Associate Professor of
Information
School of Information

Verify this certificate at:

<https://coursera.org/verify/specialization/59EV37F9US56>