



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



Aug 13, 2025

Dima Tkachuk

has successfully completed the online, non-credit Specialization

Python 3 Programming

Recipients have demonstrated proficiency in the fundamentals of programming using Python 3, including variables, conditionals, loops, and basic data structures. They have also gained experience with intermediate concepts such as keyword arguments, list comprehensions, lambda expressions, and class inheritance. Recipients have also shown the ability to reason about program execution, identify and correct bugs, develop programs that interact with Internet APIs to retrieve and process useful data, and read technical documentation to query unfamiliar modules and APIs.

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, PhD
Michael D. Cohen
Collegiate Professor of Information
School of Information

A handwritten signature of Paul Resnick.

Christopher Brooks
Associate Professor of Information
School of Information

Verify this certificate at:
<https://coursera.org/verify/specialization/MHJWIXADCIZ>