



Statement of Achievement

## **PCAP: Programming Essentials in Python**

The graduate of the *PCAP: Programming Essentials in Python* course, provided by **Cisco Networking Academy**®in collaboration with **OpenEDG Python Institute**:

- knows the universal concepts of computer programming, including variables, data structures, algorithms, control flow, functions, and exceptions;
- can proficiently use the developer tools, the runtime environment, and the syntax and semantics of the Python language;
- can use fundamental programming techniques, best practices, customs, and vocabulary, including the most common standard library functions in Python 3;
- can write Python programs using standard language infrastructure, and knows the means by which to resolve typical implementation problems;
- knows how to work with modules and packages, process text and binary files, and use generators, iterators, and closures;
- understands the fundamentals of object-oriented programming (OOP) and the way they are adopted in Python.

Juan estiven carmona munoz		
Student		
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	29/11/2022	
	Date	

Maciek Wichary VP & CEO, OpenEDG

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