



Apr 29, 2021

TOMAS RICARDO BASILE
ALVAREZ

has successfully completed

Python Basics

an online non-credit course authorized by University of Michigan and offered through
Coursera

Three handwritten signatures in black ink, stacked vertically. The first signature is 'Paul Resnick', the second is 'Stephen Oney', and the third is 'Jaclyn Cohen'.

Paul Resnick
Stephen Oney
Jaclyn Cohen

COURSE
CERTIFICATE



Verify at coursera.org/verify/NJGLRX58F2ZP

Coursera has confirmed the identity of this individual and their
participation in the course.



May 2, 2021

TOMAS RICARDO BASILE
ALVAREZ

has successfully completed

Python Functions, Files, and Dictionaries

an online non-credit course authorized by University of Michigan and offered through
Coursera

Three handwritten signatures in black ink, stacked vertically. The first signature is 'Paul Resnick', the second is 'Stephen Oney', and the third is 'Jaclyn Cohen'.

Paul Resnick
Stephen Oney
Jaclyn Cohen

COURSE
CERTIFICATE



Verify at coursera.org/verify/VZ6FPR83QEEK

Coursera has confirmed the identity of this individual and their
participation in the course.



May 2, 2021

TOMAS RICARDO BASILE
ALVAREZ

has successfully completed

Data Collection and Processing with Python

an online non-credit course authorized by University of Michigan and offered through
Coursera

Handwritten signatures of Paul Resnick and Jaclyn Cohen in black ink.

Paul Resnick
Michael D. Cohen Collegiate Professor
School of Information

Jaclyn Cohen
Lecturer
School of Information

COURSE
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Verify at coursera.org/verify/YZ9JTC8XD9JD

Coursera has confirmed the identity of this individual and their
participation in the course.



May 3, 2021

TOMAS RICARDO BASILE
ALVAREZ

has successfully completed

Python Classes and Inheritance

an online non-credit course authorized by University of Michigan and offered through
Coursera

A handwritten signature in black ink that reads 'Stephen Oney Paul Resnick'. The signature is written in a cursive, flowing style.

Steve Oney
Assistant Professor
School of Information

Paul Resnick
Michael D. Cohen Collegiate Professor
School of Information

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Verify at coursera.org/verify/Y4PLKZ99LWL2

Coursera has confirmed the identity of this individual and their
participation in the course.