

VERIFIED

CERTIFICATE *of* ACHIEVEMENT



This is to certify that

Brent Robert Ruth

successfully completed and received a passing grade in

**CS1301xl: Computing in Python I: Fundamentals
and Procedural Programming**

a course of study offered by GTx, an online learning initiative of the Georgia Institute
of Technology.

A handwritten signature in black ink, appearing to read 'David Joyner'.

Dr. David Joyner

Senior Research Associate

Georgia Tech College of Computing

A handwritten signature in black ink, appearing to read 'Nelson Baker'.

Dr. Nelson Baker

Dean of Professional Education

Georgia Tech Professional Education

A handwritten signature in black ink, appearing to read 'Zvi Galil'.

Dr. Zvi Galil

Former John P. Imlay Dean of Computing

Georgia Tech College of Computing

A handwritten signature in black ink, appearing to read 'Charles Isbell'.

Dr. Charles Isbell

John P. Imlay Dean of Computing

Georgia Tech College of Computing



VERIFIED CERTIFICATE
Issued November 6, 2019

VALID CERTIFICATE ID
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