



This certifies that

ismailchakrane

successfully completed the

Scientific Computing with Python

Developer Certification on June 29, 2022
representing approximately 300 hours of work



A handwritten signature in black ink, appearing to read "Quincy Larson", positioned above a horizontal line.

Quincy Larson
Executive Director, freeCodeCamp.org



Verify this certification at:

<https://freecodecamp.org/certification/ismailchakrane/scientific-computing-with-python-v7>