



Aug 16, 2023

MAROUANE EL-HAMDAOUI

has successfully completed

Programming Fundamentals

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

A handwritten signature in black ink, reading "Andrew D. Hilton".

Andrew D. Hilton | Genevieve M. Lipp | Anne Bracy
Assistant Professor of the Practice | Adjunct Professor | Senior Lecturer
Electrical and Computer Engineering | Electrical and Computer Engineering | Computer Science, Cornell University

COURSE
CERTIFICATE



Verify at:

<https://coursera.org/verify/LSUCZAF69KRJ>

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