Verified
Certificate

PENN UNIVERSITY *of* PENNSYLVANIA

This is to certify that

Marcio Bueno Pinto Filho

successfully completed and received a passing grade in

SD4x: Programming for the Web with JavaScript

a course of study offered by PennX, an online learning initiative of the University of Pennsylvania.

Chris Murphy
Associate Professor of Practice, Computer and Information Science
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edX

Verified Certificate
Issued November 15, 2022

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