



This certifies that

Jose Fredes

has successfully completed Qubit by Qubit's 2020-2021
Introduction to Quantum Computing Course

sponsored by IBM Quantum

This course took place from October 2020 to May 2021. Students developed a foundational understanding of quantum computing, with topics including introductory linear algebra, coding with Qiskit, quantum mechanics, quantum algorithms, and quantum applications.



IBM Quantum

A handwritten signature in black ink, reading 'Elizabeth Durst'.

Liz Durst
Director, IBM Quantum & Qiskit
Community

A handwritten signature in black ink, reading 'Kiera Peltz'.

Kiera Peltz
Executive Director, Qubit by Qubit
Founder, The Coding School