Proseminar Quantum Computing SS22
Literature list

Programming

Python
https://docs.python.org/3/tutorial/

Qiskit:
https://qiskit.org/

Leap/Ocear SDK:
https://cloud.dwavesys.com/leap
https://docs.dwavesys.com/docs/latest/leap.html

Basic literature

A Quantum Computation Workbook (Mahn-Soo Choi)
https://link.springer.com/book/10.1007/978-3-030-91214-7

Quantum Computing Verstehen – Grundlagen – Anwendungen – Perspektiven (Matthias Homeister)
https://link.springer.com/book/10.1007/978-3-658-36434-2

Quantum Computing for Computer Scientists (Noson S. Yanofsky)
https://www.cambridge.org/core/books/quantum-computing-for-computer-scientists/8AEA723BEE5CC9F5C03FDD4BA850C711

Advanced literature

Quantum Machine Learning: An Applied Approach (Santanu Ganguly)
https://link.springer.com/book/10.1007/978-1-4842-7098-1

Introduction to Topological Quantum Computing (Jiannis K. Pachos)
https://www.cambridge.org/core/books/introduction-to-topological-quantum-computation/F6C4B2C9F83E434E9BF3F73E492231F0#