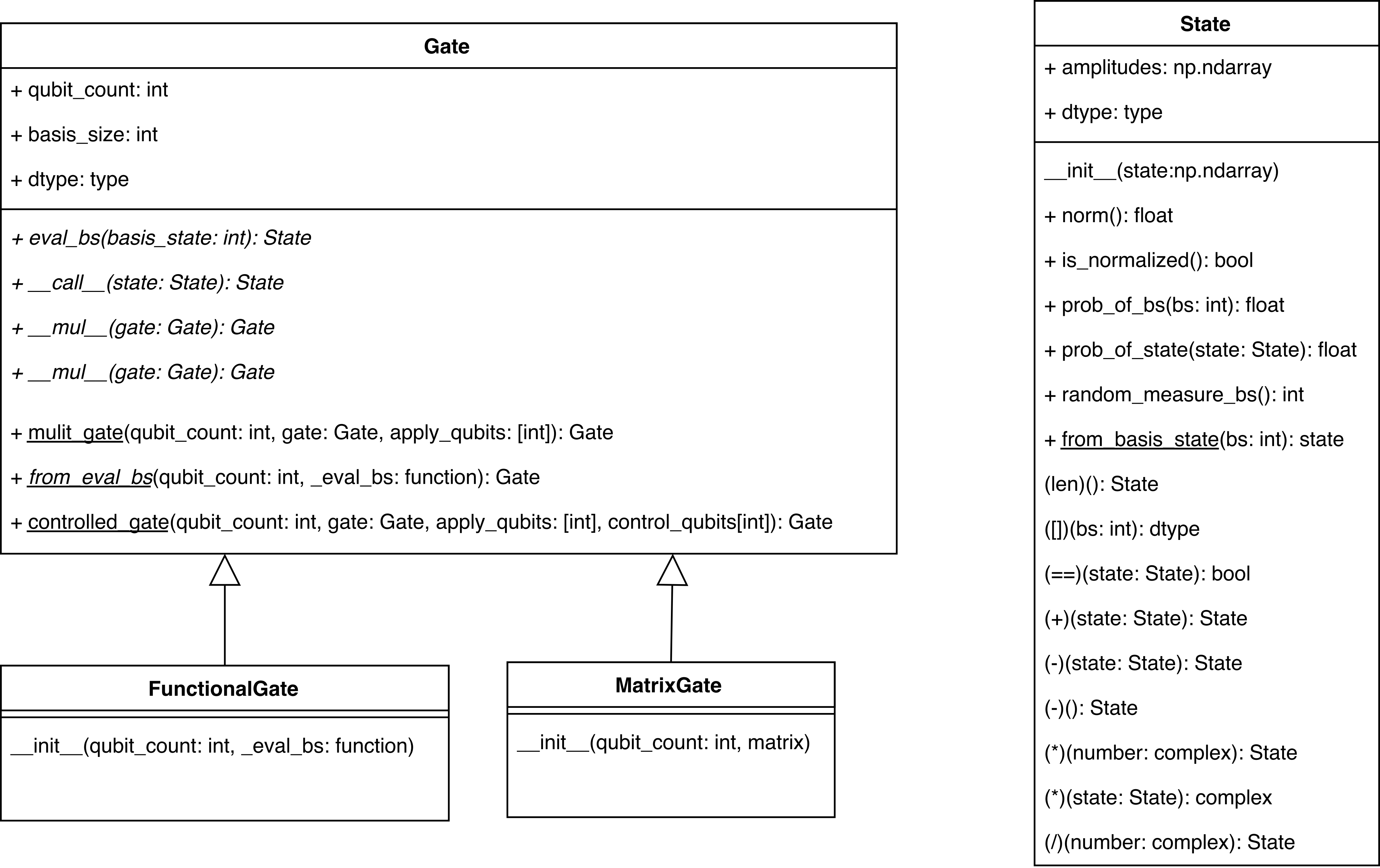

Gate

+ qubit_count: int

+ basis_size: int

+ dtype: type

+ eval_bs(basis_state: int): State

+ __call__(state: State): State

+ __mul__(gate: Gate): Gate

+ __mul__(gate: Gate): Gate

+ mulit_gate(qubit_count: int, gate: Gate, apply_qubits: [int]): Gate

+ *from_eval_bs*(qubit_count: int, _eval_bs: function): Gate

+ controlled_gate(qubit_count: int, gate: Gate, apply_qubits: [int], control_qubits[int]): Gate

FunctionalGate

__init__(qubit_count: int, _eval_bs: function)

MatrixGate

__init__(qubit_count: int, matrix)

State

+ amplitudes: np.ndarray

+ dtype: type

__init__(state:np.ndarray)

+ norm(): float

+ is_normalized(): bool

+ prob_of_bs(bs: int): float

+ prob_of_state(state: State): float

+ random_measure_bs(): int

+ from_basis_state(bs: int): state

(len)(): State

([])(bs: int): dtype

(==)(state: State): bool

(+)(state: State): State

(-)(state: State): State

(-)(): State

(*)(number: complex): State

(*)(state: State): complex

(/)(number: complex): State