Fredrik G. **Kleven**

STUDENT · ELECTRONICS ENGINEER

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"Be the change that you want to see in the world."

Education

USN (University of South-Eastern Norway) *Borre, Norway*

B.S. IN ELECTRONICS ENGINEERING WITH SYSTEM DESIGN FOCUS *Aug. 2021 - June. 2024*

- Strong foundation in electronics, circuits, and digital systems.
- Emphasis on system design principles for efficient and reliable solutions.
- Proficient in microcontroller programming and embedded systems design.
- Skilled in integrating digital and analog components for cohesive systems.
- Experience with communication systems and real-world project-based learning.

Skills

Design	LTSpice, KiCad, Comsol, LabView
Programming	C, Python, C++, Rust, LaTeX, VHDL, Matlab, Qiskit, PennyLane, Q#, C#
Languages	Norwegian, English, Danish, Swedish

Experience

Vestfold Hospital *Tønsberg, Norway*

ASSISTENT *Mai. 2014 - April. 2020*

- Contributed as a compassionate ER Assistant, skillfully maintaining hospital beds with meticulous care, providing nourishment to patients, and offering seamless support to nursing staff.
- Proficiently facilitated patient transfers to subsequent departments, embodying dedication and empathy in every task.
- Played a pivotal role in managing inventory by contributing to ordering processes and assembling pre-packed equipment essential for nurses to perform diverse patient procedures. Ensured seamless availability of crucial resources, enhancing efficiency in patient care delivery.

Certifications

Qiskit Global Summer School *Global*

PARTICIPANT *Aug. 2023*

- Learned about using the Qiskit SDK demonstrated an ability to use dynamic circuits in Qiskit.
- Showed an understanding of how to create circuits that perform measurements mid-circuit and dynamically decide what the next steps should be.
- Implemented dynamic circuits in the context of iterative phase estimation, quantum teleportation, and error correction.

IBM Quantum Challenge: Spring 2023 Achievement *Global*

PARTICIPANT *May. 2023*

- Gained experience in solving problems about quantum computing and eperience challenges.
- Gained knowledge about python and the Qiskit SDK.