

Erik Gabrielsen

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Summary

- ▶ Fifth year student of electronics systems design at NTNU.
- ▶ Extensive experience in UAV & ROV hardware design.
- ▶ Concluded compulsory military service as a radio operator in the navy, and promoted to leading private.
- ▶ Combined five years of work experience and certificate of apprenticeship as a laboratory technician.

Education

Electronic Systems Design (MTELSYS)

Norwegian University of Science and Technology

2020 – now

Trondheim/Glasgow

The navy's radio operator course (CIS-1), as well as fire fighting course

Tordenskjold

2019

Bergen

Certificate of apprenticeship, Laboratory technician

Elkem Technology

2019

Kristiansand

High school: Technical and general subjects (TAF)

Kvadraturen skolesenter

2015 – 2019

Kristiansand

Experience

Nortek

Summer internship

Jun. 2024 – Aug. 2024

Trondheim

- ▶ Development of a sensor acquisition platform for an ROV.

Kongsberg Defence & Aerospace: LocalHawk

Summer internship

Jun. 2023 – Aug. 2023

Kongsberg

- ▶ CAD and production of an energy efficient autonomous UAV using FDM and SLS printing technologies.

Ascend NTNU

Hardware member

Sep. 2022 – Aug. 2023

Trondheim

- ▶ Strategic role in design, development and testing of PCBs for use in UAVs in competition.
- ▶ Electronics and PCB design as main focus.

Norwegian University of Science and Technology

Teaching assistant

Jun. 2021 – Aug. 2022

Trondheim

- ▶ Part time employee at the IE faculty as a teaching assistant in the subject *Introduction to Analog and Digital Electronics*.
- ▶ Employed the summers of 2021 and 2022 for further development of the subject.

The Norwegian Navy

Radio Operator

Sep. 2019 – Aug. 2020

KNM Skjold

- ▶ Operation, maintenance and administration of the vessel's communication stations.
- ▶ Promoted to leading private (ULM).

Elkem Technology

Apprentice, laboratory technician

Aug. 2015 – Sep. 2019

Kristiansand

- ▶ Sample preparation, homogenisation and chemical analysis using a range of quantitative and qualitative analysis methods.

Free time and volunteer work

Hardware member, Ascend

2022 – 2023

- ▶ Ascend NTNU is an aerial robotics team consisting of students from the Norwegian University of Science and Technology.

Volunteer in the brewing committee

2020 – 2022

- ▶ Deputy leader.

Some side projects include

- ▶ Herb container with an automatic watering system.
- ▶ ATTINY85-based stop watch for use at the gym.
- ▶ Face recognition on the front door of the apartment.
- ▶ Photography as a hobby.

References

Bjerknes, Jan Dyre – LocalHawk project supervisor

907 02 187

Senior Systems Engineer, Kongsberg Defence & Aerospace

Løvlie, John

916 30 947

Department manager - eWorks, Kongsberg Defence & Aerospace

Teisrud, Hege – Boss

418 09 497

Laboratory engineer, Elkem Technology

Tefre, Joachim Lindholm – Training officer

469 61 949

Technician, KNM Skjold