

Aron Widforss

Résumé

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Driving license: BE, S (NO)

Drone license: A1, A3



Professional Experience

- June 2020– **Senior Engineer**, *Norwegian Water Resources and Energy Directorate (NVE)*.
Senior engineer: Feb. 2025–. Permanent employment: June 2022–. Full time: Aug. 2021–.
- o Develops software that facilitates avalanche observation and forecasting, e.g. systems relating to snowpack modeling and the *Varsom field observation app*.
 - o Enables 3rd party data integration, e.g. by developing the *regobslib* Python package.
 - o Editor for the *Guide for field observations and assessments of avalanche danger*.
 - o Forecasts lake ice hazards for the national natural hazards forecasting service, *Varsom*.

Education

- Aug. 2020–Jan. 2022 **Norwegian (¾ academic years)**, *Stockholm University*.
- Aug. 2016–Oct. 2021 **Master of Science in Computer Science and Engineering (5 academic years)**, *Luleå University of Technology*.
- o Master thesis: *Teaching machines to recognise avalanche conditions*.
 - o Bachelor thesis: *Avalanche visualisation using satellite radar*.

Volunteering

Search and Rescue Dog Handler Recruit, *Norwegian Search and Rescue Dogs*.

2024– **Module 3 – Recruit**

2025 **Avalanche instructor (non-dog related themes)**

On the annual national avalanche rescue dog course in Northern Norway

Search and Rescue Corps Member, *Norwegian Red Cross*.

2024– **Avalanche rescue team member**

2022– **Rope rescue team member**

Professional Training

- 2025 **Avalanche rescue operations leader (Fagkurs skred)**, *Norwegian Red Cross*.
- 2025 **Single rope technique 1**, *Swedish Speleological Society*.
- 2024 **Intermediate first aid (VFØR)**, *Norwegian Red Cross*.
- 2024 **SVELAV Advanced avalanche rescue**, *SVELAV*.
- 2023 **Varsom 4B – Intermediate avalanche field observation**, *NVE*.
- 2023 **Varsom Pro 2B – Avalanche emergency preparedness**, *NVE*.
- 2022 **Qualified rope rescue**, *Norwegian Red Cross*.
- 2022 **Qualified ATV**, *Norwegian Red Cross*.
- 2021 **SVELAV Weather**, *SVELAV*.
- 2021 **SVELAV Pro 2 – Avalanche technician**, *SVELAV*.
Equivalent to *CAA ITP Avalanche Operations Level 1*.