

# Aron Widforss

## Résumé

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## Professional Experience

2025– **Full-Stack Developer and Avalanche Technician,** *Wyssen Avalanche Control.*

- Developing software for avalanche forecasting and avalanche control, WAC.3:
  - Two-way integration of data with external services, such as the InfoEx in Canada, Varsom Regobs in Norway and weather stations.
  - Importing and visualising data from external instrumentation and forecasts.
- *Site-specific avalanche forecasting* for settlements in Tromsø municipality.
- Servicing and loading of *remote avalanche control systems (RACS)* in Grøtford, Tromsø.

2020–2025 **Engineer,** *Norwegian Water Resources and Energy Directorate (NVE).*

**Senior engineer:** 2025. **Permanent employment:** 2022–2025. **Full time:** 2021–2025.

- Developed software facilitating avalanche forecasting, e.g. systems relating to snowpack modeling and the *Varsom Regobs field observation app*.
- Editor for the *Guide for field observations and assessments of avalanche danger*.
- Forecasted lake ice hazards for the national natural hazards forecasting service, *Varsom*.

## Education

2016–2021 **Master of Science in Computer Science and Engineering,** *Luleå University of Technology.*

5 academic years (300 ECTS).

Master thesis: *Teaching machines to recognise avalanche conditions.*

Bachelor thesis: *Avalanche visualisation using satellite radar.*

## Professional Training

2025 **Avalanche Rescue Operations (Fagkurs skred),** *Norwegian Red Cross.*

2023 **Varsom 4B — Intermediate Avalanche Field Observation,** *NVE.*

2021 **SVELAV Pro 2 — Avalanche Technician,** *SVELAV.*

## Volunteering

2026– **Avalanche Rescue Dog Handler,** *Norwegian Search and Rescue Dogs.*

2024– **Avalanche Rescue Team Member,** *Ofoten skredgruppe — Norwegian Red Cross.*

2025– **Avalanche rescue operations leader (Fagleder skred).**

2025– **Deputy team leader.**

2022– **Rope Rescue Team Member,** *Norwegian Red Cross.*