

# Bjørn Christian Weinbach

RESEARCHER · DATA SCIENTIST

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“Prediction is very difficult, especially if it's about the future.”

## Summary

Current Researcher at The Western Norway Research Institute and Phd Student at Western Norway University of Applied Sciences. BE in Computer Science from The Norwegian University of Science and Technology, Gjøvik. M.Sc. in Computer Science from University of Stavanger. Main area of research is Deep Learning and Object Detection.

## Work Experience

### Western Norway Research Institute

Sogndal, Norway

SUMMER INTERNSHIP / RESEARCHER / PHD STUDENT

Jun. 2021 - today

- Research Intern summer of 2021. Participated in Teknoløft Sogn og Fjordane with an aim of identifying data science applications in the region.
- Masters Thesis: Fairness and Interpretability in Machine Learning written together with University of Stavanger and Western Norway Research Institute.
- Full Time employee as of August 2022 working as a researcher in Teknoløft Sogn og Fjordane.
- PhD Student as of January 2023.

### Norwegian Digitalisation Agency

Leikanger, Norway

SUMMER INTERNSHIP

Jun. 2020 - Aug. 2020

- Tasked with planning and developing a new application aimed at youth in Norway.
- Worked as back-end developer during the internship. Mostly using PHP and the Drupal 8 framework.

### Norwegian University of Science and Technology.

Gjøvik, Norway

TEACHING ASSISTANT

Aug. 2018 - Jun. 2020

- Teaching assistant in Fundamental Programming in C++ fall of 2018 and 2019. Worked mainly by supervising and guiding first year students in weekly tasks and during assignments. Also graded assignments and helped students preparing for exams.
- Teaching assistant in Object-Oriented Programming in C++ spring of 2019 and 2020. Worked mainly by supervising and guiding first year students in weekly tasks and during assignments. Also graded assignments and helped students preparing for exams.
- Teaching assistant in Algorithmic Methods in C++ spring fall of 2019. Worked mainly by supervising and guiding second year students in weekly tasks and while preparing for exams.

### Sogn og Fjordane County Municipality

Leikanger, Norway

COMPUTER TECHNICIAN & CUSTOMER SUPPORT

Aug. 2015 - May. 2017

- Maintenance tasks in the windows server environment, customer support and other technical tasks.
- Worked here as an apprentice until January 2017. Employed as Computer Technician from January to May.

## Education

### Western Norway University of Applied Sciences

Sogndal and Bergen, Norway

PHD IN COMPUTER SCIENCE (ONGOING)

Jan. 2023 -

- Ongoing PhD in Computer Science. Main area of focus is computer vision and object detection.

### University of Stavanger

Stavanger, Norway

M.Sc IN COMPUTER SCIENCE - DATA SCIENCE

Aug. 2020 - Jun. 2022

- Engineering degree in Computer Science with specialisation in Data Science.

### Uppsala University

Uppsala, Sweden

EXCHANGE SEMESTER

Aug. 2021 - Jan. 2022

- Elective courses in computer science with specialisation in data science, stochastic machine learning, databases II and image analysis.

### Norwegian University of Science and Technology

Gjøvik, Norway

B.E. IN COMPUTER SCIENCE

Jun. 2017 - Jun. 2020

- Engineering degree in computer science. Elective courses were Mathematics 3, Infrastructure as Code and Introduction to Artificial Intelligence.

## Sogn og Fjordane County Municipality

CERTIFICATE OF APPRENTICESHIP: COMPUTER TECHNICIAN

- Apprenticeship at the Sogn og Fjordane County Municipality.

*Leikanger, Norway*

*Aug. 2015 - Jan. 2017*

## Extracurricular Activity

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### Red Party - Sogndal

LEADER AND BOARD MEMBER

- Established the red party as a local party in Sogndal.
- Elected for 1 year as local party leader
- Areas of interest include climate change, nature preservation and inequality.

*Norway*

*Jan. 2023 - Present*

### Norwegian Society for the Conservation of Nature

BOARD MEMBER

- Elected as board member.
- Work area has been preservation of Sognefjorden and the local nature in the region of Indre Sogn.

*Norway*

*Mar. 2023 - Present*