



# Bjørnar Moe Remmen

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Software developer



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A developer with experiences within machine learning and backend development. As a developer I really like the challenge machine learning gives and the ability to be creative. The last year I also completed a course in Parallel Programming covering CUDA, OpenMPI and basic pthread & openmp use.

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## Experience

### Microchip

**Application Engineer • Aug, 2020 — Present**

Writing software both for microcontrollers in C and general backend development.

### Capgemini

**Data Scientist • Jan, 2019 — Aug, 2020**

Worked with a team that specializing in Computer Vision. One of my projects at a startup that used underwater cameras in fish farms was to try to create a program to monitor the health of the fish using Computer Vision.

### Making Waves

**Data Scientist • Jul, 2017 — Dec, 2018**

Worked as a general developer and Data Scientist. Two of the projects including Machine Learning were a Norwegian Chatbot project in python and Proof of Concept testing Computer Vision in Elastic Search.

### Kodeklubben Trondheim

**Instructor - Internship • Jun, 2016 — Jul, 2016**

Kodeklubben is a Norwegian initiative to teach children coding. This internship was about teaching HTML, CSS, JavaScript to people from junior high school and high school.

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## Education

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### Norwegian University of Science and Technology - NTNU

Informatics, M.Sc., Artificial Intelligence • 2015 — 2017

### Sør-Trøndelag University College - HiST

Computer Science, B.Sc. • 2012 — 2015

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## Projects

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### SEALAB OCEAN GROUP

Developer • March 2019 — August 2019

Sealab is a provider of under water cameras that is used in fish farming for monitoring fish. To be able to monitor the fishes health, I was a consultant helping to get further in the computer vision goal of monitoring fish and wounds.

### Matprat.no — Chatbot in Norwegian

Developer • March 2018 — June 2018

Matprat is a food recipe website, and the end result provided for them was a chatbot that could answer food safety questions and give suggestions on what to make based on what ingredients the person has. The reason to do this was to give a better user experience for the user when looking for recipes and to avoid food waste.

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## Skills

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### Parallel Programming

Took a course in 2020 at NTNU in parallel programming that covered CUDA, OpenMPI, OpenMP and Pthreads. Implemented Convolution in OpenMPI and CUDA getting ideas from the paper Ghost Cell Pattern

# Recognition

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## Global Data Science Challenge 2020 - 1st place

Capgemini • 2020

The Capgemini Data Science Challenge was a collaboration between Amazon and Capgemini. The challenge was to identify sperm whales by their fluke to help to monitor the whales.

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## Associations

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### School Bar

Volunteer • 2001 — 2010

The School bar is used by both engineers and other disciplines to socialize. Some responsibilities I had were to work behind the bar and checking IDs at the entrance.

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## Additional Links

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- [Capgemini Global Datascience Challenge - Using AI to protect sperm whales](#)