Lars Mushom

Oftebro terrasse 21, 4580 Lyngdal
98 85 21 10 | lars.mushom@gmail.com
Born: 22. July 1996
https://no.linkedin.com/in/larsmushom

Education

Aug 2015 - Jun 2020	**Norwegian University of Science and Technology (NTNU)** MSc. Applied Mathematics with a specialization in Statistics. Currently writing a master thesis about deep generative models. Grade average: A.
June 2019	**Nordic Probabilistic AI School** Summer school focusing on probabilistic models and deep generative models.
Aug 2018 - May 2019	**University of California, Berkeley** Exchange student taking graduate courses in theoretical and computational statistics. GPA: 3.81. Units: 27.
Aug 2012 – June 2015	**Eilert Sundt high school** Specialization in science and mathematics

Experience

Sep 2019 -	**Research Fellow,** Spacemaker AI Implements deep generative models to generate building footprints on a site.
June 2019 - Aug 2019	**Summer Internship,** Simula Research Laboratory Did machine learning research. Implemented and experimented with diffusion nets, a technique that combines diffusion maps with autoencoders.
May 2019 - June 2019	**Summer Internship,** Spacemaker AI Simulated building site potential using Monte Carlo Sampling. Obtained distributions of sun and noise quality for a given building site.
June 2018 – Aug 2018	**Summer Internship,** Spacemaker AI Spacemaker is a start-up using optimization and AI for building development and city planning. I implemented and deployed a feature for mobility analysis and implemented road optimization on a building site using genetic algorithms.
Aug 2017 – May 2018	**Internship,** If Insurance Continuation of summer project. I also developed a program that detects the topic of any text using unsupervised learning methods such as Latent Dirichlet Allocation.
Aug 2017 – May 2018	**Student assistant,** NTNU Tutored students and correct exercises in Complex analysis and Linear Algebra.
June 2017 – Aug 2017	**Summer Internship,** If Insurance Worked as an analyst and developed a program that classifies text as positive or negative, so-called sentiment analysis. Deployed the finished model to production.
Aug 2016 – June 2017	**Teaching assistant,** NTNU Facilitated and guided multidisciplinary student groups in the course "Experts in Team" to improve their cooperation skills.
June 2016 – Aug 2016	**Summer Internship,** GE Healthcare AS Worked on an engineering level where my primary responsibility was to map the carbon flow for the whole production facility and examine the possibility of using green carbons.
Dec 2012 – Aug 2015	**Support and Aftersales,** Elkjøp Lyngdal Part-time job in an electronics store.
May 2010 – Aug 2012	**Storage and logistics,** G-Sport Lyngdal

Other

Sep 2019 -	**Organizer,** Norwegian Probabilistic AI School 2020
Mar 2017 -	**Board member,** housing company
Aug 2014 – June 2015	**Student president,** Eilert Sundt VGS
Aug 2014 – June 2015	**Board member,** Eilert Sundt VGS