



# Joar Nykvist

M.Sc. Student  
Machine Learning



12 July 1994



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## About me

I am a Machine Learning master's student at the KTH Royal Institute of Technology, looking to professionally engage in Software Development and Data Science. My bachelor degree was Engineering Physics, which has given me a solid foundation in physics and mathematics. During my master's degree, my goal has been to gain competence both in Machine Learning and Computer Science. I am currently working on my Master's Thesis Project at Scania CV AB, focusing on predictive machine learning models for travel time prediction

## Skills

Python

SQL

Java

Matlab

C#

C++

Golang

## Education

since 2017	M.Sc. Machine Learning KTH Royal Institute of Technology	Stockholm, Sweden
since 2014	Degree Program Engineering Physics KTH Royal Institute of Technology	Stockholm, Sweden
2016	Exchange Semester Instituto Tecnologico de Monterrey	Monterrey, Mexico
2013-2014	Diploma in Hispanic Studies Universitat de Barcelona	Barcelona, Spain

## Work Experience

2019	Master Thesis Student Predicting travel times of trucks by mapping historical GPS-coordinates to well-defined roads, enhancing the data with features like weather conditions, traffic events, etc., and training a predictive Machine Learning algorithm on the processed patterns.	Scania CV AB
2018	Junior Data Engineer Sunstone maintains a customer database for Sweden's largest media house. During a summer internship I made a GUI for this database using Javascript with the React.js framework. In the fall of 2018 I have been working on setting up a new log management system for this same database.	Sunstone Systems
2016-2017	Python Developer I was an intern here two consecutive summers. In 2016 I constructed a tool for automatic data transfer between backlog software and an anatomy program. In 2017 the main project was developing a tool for automatically configuring settings on Dell Servers by operating a remote access controller through a Python script.	Ericsson

## Publications

2017	Bachelor Thesis In my bachelor thesis I put together a Java program for handling a stream of motion capture data such that sonification could be applied on top and then be used as therapy for kinesiophobia victims.	KTH Royal Institute of Technology
<a href="http://urn.kb.se/resolve?urn=urn:nbn:se:kth:diva-211567">http://urn.kb.se/resolve?urn=urn:nbn:se:kth:diva-211567</a>		

## Voluntary Commitments

since 2017	Treasurer and Co-producer The semi-annual student play of the Physics chapter.	KTH Royal Institute of Technology
2015-2016	Stage Makeup Coordinator The semi-annual student play of the Physics chapter.	KTH Royal Institute of Technology

## Languages

Swedish	Mother tongue
English	Can speak and write fluently.
Spanish	Can speak and write fluently, given a few days to get accustomed.

## Miscellaneous

2007-2010	Studied at the American International School - Riyadh, in Saudi Arabia. Grades 7-9. All instruction was in English.
2008-2010	Member of International Track & Field Team at American International School - Riyadh. Participated in annual competitions in Cairo, Egypt.