



# Michael André

DATA ENGINEER · COMPUTER SCIENTIST

Nordenskiöldsgatan 7B, 413 09 Göteborg, Sweden

☎ (+46) 76-142 70 99 | ✉ michael.sorsater@gmail.com | 📱 sorsater | 🌐 sorsater

## Education

### Linköping University

MASTER OF SCIENCE IN COMPUTER SCIENCE

- Master's Profile: Machine Learning & Artificial Intelligence

Linköping, Sweden

Aug. 2016 - Oct. 2018

### Linköping University

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Linköping, Sweden

Aug. 2013 - Jun. 2016

## Experience

### Zenseact

DATA ENGINEER

- Building and maintaining data annotation pipeline for Deep Learning training.
- Sensor fusion, data mining and databases.
- **Tools:** Python, Docker, Elasticsearch, Git, Jira

Göteborg, Sweden

Aug. 2020 - ongoing

### Kapsch TrafficCom

MACHINE LEARNING DEVELOPER

- Vehicle classification
- Object detection of vehicle axles
- Robot camera calibration: UI development and calibration implementation
- Team responsibility for sprint planning
- **Tools:** Python, C++, Keras, Docker, Git, Jira

Jönköping, Sweden

Jan. 2019 - Aug. 2020

### Veoneer

MACHINE LEARNING DEVELOPER

- Pedestrian and vehicle classification for autonomous vehicles
- Visualization tool for machine learning algorithms' performance
- **Tools:** C++, Python, Keras, Git, Gerrit

Linköping, Sweden

Aug. 2018 - Jan. 2019

### Veoneer

MASTER'S THESIS STUDENT

- Active Learning for Road Segmentation using Convolutional Neural Networks
- Investigated how model uncertainty can limit training data by letting the model select its own data
- Published at liu.diva-portal.org
- **Tools:** Keras, Python, LaTeX, Matplotlib

Linköping, Sweden

Jan. 2018 - Oct. 2018

### Autoliv

SOFTWARE DEVELOPER - SUMMER INTERNSHIP

- Visualization tool for machine learning algorithm's performance
- Evaluation and visualization of DGPS calibration system
- **Tools:** C++, Python

Linköping, Sweden

Jun. 2017 - Aug. 2017

### Teknomedia

SOFTWARE DEVELOPER - SUMMER INTERNSHIP AND PART TIME

- Data mining and visualization of customer databases
- Web application for filtering and visualization of customer data
- **Tools:** SQL, C#, JavaScript, HTML

Norrköping, Sweden

Jun. 2016 - May 2017

# Extracurricular Activity

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## Housing Association (Bostadsrättsförening)

BOARD MEMBER

- Part of board responsible for 65 apartments
- Leading project to install fibre internet to 200 apartments

Göteborg, Sweden

May. 2021 - ongoing

## Datateknologsektionen Linköping University

SECRETARY - DATATEKNOLOGSEKTIONEN BOARD

- Secretary for board meetings
- Head of the web committee that developed datateknologsektionen.se

Linköping, Sweden

Jul. 2015 - Jun. 2016

## Linköping University

TEACHING ASSISTANT - LINEAR ALGEBRA

- Teaching students in linear algebra

Linköping, Sweden

Sep. 2015 - Dec. 2015

## Linköping University

LAB ASSISTANT - SWITCHING THEORY AND LOGICAL DESIGN

- Lab assistant for multiple classes

Linköping, Sweden

Sep. 2015 - Mar. 2017

## Swedish Home Guard, 302nd company

SOLDIER

- Took part in regular military training

Linköping, Sweden

Mar. 2014 - Oct. 2016

## Göta Engineers (Ing 2)

MILITARY TRAINING (GMU)

- Basic Military Training

Eksjö, Sweden

Mar. 2013 - Jun. 2013

# Skills

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<b>Software Advanced</b>	Python, C++, Linux, Docker, Git, Elasticsearch, Jupyter, LaTeX, Jira, Matplotlib
<b>Software Moderate</b>	Keras, Tensorflow, LaTeX, C, C#, SQL, PyTorch, Jenkins, R, Java, Matlab, VHDL, HTML, JavaScript, CSS
<b>Certifications</b>	ISTQB: Foundation Level Certificate in Software Testing
<b>Scholarship</b>	The best student at the Technical College at Njudung in Vetlanda, 2012
<b>Languages</b>	Swedish, English